EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	2	("6441408").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/18 09:46
L3	2	("5610415").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/18 10:19
L4	2065	((257/107) or (257/109) or (257/110) or (257/137) or (257/138) or (257/147) or (257/148) or (257/155) or (257/156) or (257/163) or (257/164)).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/18 10:35
L5	1	4 and (S sulfur Se selenium) near4 (dopant atom) and (emitter adj region) and (stop adj zone) and band adj gap and energy adj level	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 10:38
L6	1	((bauer near1 joseph-georg)"in." (brunner near1 heinrich)"in." (schulze near1 hans-joachim)"in." (siemens).as. (infineon).as.) and (S sulfur Se selenium) near4 (dopant atom) and (emitter adj region) and (stop adj zone) and band adj gap and energy adj level	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 10:40

| S1 | 174 | (US-5291040-$ or US-5293054-$ or US-5304821-$ or US-5306930-$ or US-5311042-$ or US-5336907-$ or US-5365477-$ or US-5371385-$ or US-5378903-$ or US-5429953-$ or US-5401985-$ or US-5444272-$ or US-5477064-$ or US-5486709-$ or US-5491351-$ or US-5710445-$ or US-5719413-$ or US-6111278-$ or US-6107649-$ or US-RE36818-$ or US-6104043-$ or US-6049108-$ or US-6020623-$ or US-5796124-$ or US-6242766-$ or US-6268639-$).did. or (US-6271545-$ or US-6274892-$ or US-6313485-$ or US-6380569-$ or US-6407412-$ or US-6420774-$ or US-6437383-$ or US-6501099-$ or US-6555848-$ or US-6734462-$ or US-6703647-$ or US-6756612-$ or US-5065211-$ or US-4963972-$ or US-4969028-$ or US-4851889-$ or US-4910573-$ or US-4825266-$ or US-4559551-$ or US-4520552-$ or US-4107731-$ or US-4089024-$ or US-4081818-$ or US-4053921-$ or US-4040170-$ or US-3988771-$ or US-3739236-$).did. or (US-3697827-$ or US-3577046-$ or US-3470036-$ or US-3337782-$ or US-5629535-$ or US-5757033-$ or US-5144401-$ or US-5204541-$ or US-5457329-$ or US-5483087-$ or US-5550392-$ or US-5591991-$ or US-6441408-$ or US-6703294-$ or US-6696705-$ or US-6218217-$ or US-5498884-$ or US-5504351-$ or US-5525816-$ or US-5543639-$ or US-5528058-$ or US-5569941-$ or US-5684306-$ or US-5659185-$ or US-5705835-$ or US-5262336-$ or US-5245202-$).did. or (US-5202750-$ or US-5151766-$ or US-5124772-$ or US-5083185-$ or US-5068704-$ or US-5464994-$ or US-5461242-$ or US-5444271-$ or US-5539217-$ or US-5471075-$ or US-5610415-$ or US-5587594-$ or US-5574297-$ or US-5644150-$ or US-5637888-$ or US-5668385-$ or US-5661314-$ or US-5793066-$ or US-5684323-$ or US-5682044-$ or US-5679966-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-6043112-$ or US-5936267-$ or US-5981981-$).did. or (US-6111290-$ or US-6054728-$ or US-6198115-$ or US-6169299-$ or US-6660569-$ or US-6278140-$ or US-4219829-$ or US-4062032-$ or US-4032958-$ or US-4760431-$ or US-4717940-$ or US-4914496-$ or US-RE32784-$ or US-RE34158-$ or US-5091766-$ or US-5306929-$ or US-5210432-$ or US-5359220-$ or US-5319222-$ or US-5319221-$ or US-5381026-$ or US-5381025-$ or US-5412228-$ or US-5407491-$).did. or (US-20010005024-$ or US-20030122151-$ or US-20030094857-$ or US- | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/08/11 11:13 |

		20030006497-$ or US-20020024056-$ or US-20040137665-$ or US-20040084724-$ or US-20040080015-$ or US-20030197247-$ or US-20010005036-$).did. or (US-5528058-$ or US-3953243-$ or DE-3917769-$ or DE-3837747-$ or DE-3837748-$ or DE-10214176-$ or EP-760528-$ or EP-621640-$ or DE-3932490-$).did. or (JP-01270352-$ or JP-03070176-$ or JP-02296370-$ or JP-04317375-$ or JP-04240775-$ or JP-03116874-$ or JP-06151825-$ or JP-06061479-$ or JP-04357875-$).did. or (US-5079175-$ or DE-19909105-$ or US-5710445-$ or US-4642669-$ or EP-1017093-$ or DE-2734726-$ or EP-144876-$ or EP-347778-$ or DE-3917769-$ or EP-621640-$ or DE-3932490-$ or DE-19731495-$ or DE-19531369-$ or WO-200203469-$ or EP-1097480-$ or EP-1017093-$ or DE-10243758-$ or DE-10048165-$ or DE-10214176-$).did.				
S2	1	S1 and gerstenmaier.in.	EPO; DERWENT	OR	OFF	2004/08/11 11:13
S3	157	257/144	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/11 10:06
S4	247	257/152	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/08 10:54
S5	172	257/163	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/08 10:54
S6	117	257/164	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/08 10:56

S7	76	257/165	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/08 10:54
S8	616	(257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and @pd< "19980717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/10 12:46
S9	4	((257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and @pd< "19980717") and (selenium or sulfur)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/08 12:10
S10	616	(257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and @pd< "19980717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/08 13:49
S11	576	(257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and @pd< "19970717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/10 13:54
S12	169	((257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and @pd< "19970717") and (stop$5 or buffer$3 or phosphor$2 or arsenic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/10 14:38
S13	5	stop$4 adj2 buffer and thyristor$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/10 14:38

S14	25	((257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and @pd< "19970717") and (stop$5 or buffer$3) and (phosphor$2 or arsenic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/10 15:00
S15	5	energy adj level$1 near (phosphorus or arsenic or selenium or sulfur) near dop$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/10 15:47
S16	1	ionization adj energy near (phosphorus or arsenic or selenium or sulfur) near dop$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/10 16:42
S17	292	(sulfur with selenium) and "257"/$3.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/11 07:40
S18	57	(sulfur with selenium) and "257"/$3.ccls. and emitter$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/10 16:49
S19	89	(sulfur with selenium) and "257"/$3.ccls. and band adj gap	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/10 16:52
S20	14	((sulfur with selenium) and "257"/$3.ccls. and emitter$1) and ((sulfur with selenium) and "257"/$3.ccls. and band adj gap)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/10 18:56

S21	4	(((sulfur with selenium) and "257"/$3.ccls. and emitter$1) and ((sulfur with selenium) and "257"/$3.ccls. and band adj gap)) and dopant and (buffer or stop$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/11 07:34
S22	2	ionization adj energ$3 with sulfur with (dopant or impurit$3 or foreign)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/10 17:07
S23	37	dopant and (selenium or sulfur) and emitter and (buffer adj layer or stop$4 adj zone)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/10 17:59
S24	0	(buffer adj layer or stop$4 adj zone) same dopant same (selenium or sulfur) same ionization adj energ$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/10 18:01
S25	0	(buffer adj layer or stop$4 adj zone) same (selenium or sulfur) same ionization adj energ$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/10 18:01
S26	3	(dopant or impurit$3) same (selenium or sulfur) same ionization adj energ$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/10 18:02
S27	7	buffer adj layer with dopant with (sulfur or selenium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/10 18:26

S28	0	stop adj zone with dopant with (sulfur or selenium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/10 18:26
S29	7	((sulfur with selenium with dopant) and "257"/$3.ccls. and emitter$1) and ("257"/$3.ccls. and band adj gap)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/10 18:56
S30	44720	ionization energ$3 with sulfur with selenium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/11 07:42
S31	44672	ionization energ$3 with sulfur with selenium with dopant$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/11 07:42
S32	1	ionization adj energ$3 with sulfur with selenium with dopant $1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/11 07:43
S33	2	"5574297".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/11 07:55
S34	2	"5359220".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/11 08:02

S35	3	"5528058".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/11 08:03
S36	1686	dopant with phosphorus with type	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/11 08:04
S37	1454	dopant with phosphorus with n adj2 type	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/11 08:07
S38	205	dopant with phosphorus with n+	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/11 08:10
S39	131	(dopant with phosphorus with n+) and @pd< "19970717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2001/06/11 08:11
S40	738	257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/26 18:35
S41	1	(257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and ((stop adj zone near15 active) near15 (off-state or off adj state))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/26 18:39

S42	1	(257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and ((stop$4 adj zone near15 active) near15 (off-state or off adj state))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/26 18:41
S43	1	(257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and ((zone near15 active) near15 (off-state or off adj state))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/26 19:11
S44	3	"5528058".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 15:26
S45	3	"5357130".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 12:44
S46	0	stop$4 adj zone same dopant same (ON-state or OFF-state or "on state" or "off state")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 12:48
S47	31	dopant near12 ionization adj energy	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 12:58
S48	5	(igbt or mct).ti,ab. and ((dopant or impurity or impurities) near12 (indium or tellurium))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 13:11

S49	9	semiconductor.ti,ab. and ((dopant or impurity or impurities) same (indium or tellurium) same ionization)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 14:21
S50	0	(((sulfur or selenium) near12 "on-state voltage") same (dopant or impurit$3)) and semiconductor.ti,ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 14:23
S51	5	((sulfur or selenium) near12 ("on-state" or voltage) same (dopant or impurit$3)) and semiconductor.ti,ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 14:27
S52	0	(((sulfur or selenium) near12 (ionization adj (energy or potential))) near12 (impurit$3 or dop$3)) same ((on-state or on adj state) adj2 voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 14:31
S53	2	((sulfur or selenium) near12 (ionization adj (energy or potential))) near12 (impurit$3 or dop$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 14:46
S54	0	((selenium or sulfur) near12 on-state adj voltage) and (thyristor or mct or igbt).ti,ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 14:48
S55	35	(selenium or sulfur) and (thyristor or mct or igbt).ti,ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 14:48

S56	2	((selenium or sulfur) same (dopant or impurit$3)) and (thyristor or mct or igbt).ti,ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 14:49
S57	40	((blocking or stop$4) adj2 (zone or layer) same emitter) and thyristor.ti,ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 15:28
S58	13	((blocking or stop$4) adj2 (zone or layer) same emitter) same voltage and thyristor.ti,ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 15:29
S59	0	(((blocking or stop$4) adj2 (zone or layer) same emitter) same voltage same on-state) and thyristor.ti,ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 15:30
S60	0	(((blocking or stop$4) adj2 (zone or layer) same emitter) same voltage same "on") and thyristor.ti,ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 15:30
S61	5	(((blocking or stop$4) adj2 (zone or layer) same emitter) same voltage) and thyristor.ti,ab. and power	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 15:32
S62	1	(((blocking or stop$4) adj2 (zone or layer) same emitter) same voltage) and thyristor.ti,ab. and power and (dopant or impurit$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 15:49

S63	3	"5710445".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 15:54
S64	1	((selenium or sulfur) near12 (dopant or impurity)) and thyristor.ti,ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 15:56
S65	0	((selenium or sulfur) near12 ionization adj (potential or energy)) and thyristor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 15:57
S66	0	((selenium or sulfur) near12 ionization adj (potential or energy)) and barrier adj layer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 15:58
S67	20	(selenium or sulfur) near12 ionization adj (potential or energy)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 15:58
S68	2	(selenium or sulfur) near12 ionization adj (potential or energy) and semiconductor.ti,ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 16:02
S69	1	(selenium or sulfur) near12 ionization adj (potential or energy) and (igbt or thyristor or mosfet) and semiconductor.ti, ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 16:04

S70	2	(selenium or sulfur) near12 ionization adj (potential or energy) and (igbt or thyristor or mosfet or semiconductor).ti, ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 16:05
S71	27	((selenium or sulfur) near12 (barrier adj layer)) and (igbt or thyristor or mosfet or semiconductor).ti,ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 16:06
S72	9	((selenium or sulfur) near5 (barrier adj layer)) and (igbt or thyristor or mosfet or semiconductor).ti,ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 16:11
S73	0	((selenium or sulfur) near5 (barrier adj layer)) and (igbt or mosfet or semiconductor).ti,ab. and thyristor.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 16:08
S74	0	((selenium or sulfur) near5 (barrier adj layer)) and thyristor. ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 16:08
S75	0	((selenium or sulfur) near5 (barrier adj layer)) and thyristor.ti, ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 16:09
S76	0	((selenium or sulfur) near5 (barrier adj layer)) and (mct or thyristor or igbt).ti,ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 16:09

S77	1	((selenium or sulfur) near5 (dopant or impurity) near5 (barrier adj layer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 16:12
S78	0	((selenium or sulfur) near5 (dopant or impurity) near5 (barrier adj layer)) and silicon adj substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 16:13
S79	71	((selenium or sulfur) near5 (dopant or impurity)) and silicon adj substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 16:14
S80	3	((selenium or sulfur) near5 (dopant or impurity)) and ionization adj (energy or potential) and silicon adj substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 16:24
S81	15	(low-noise or low adj noise) adj2 semiconductor and power adj2 semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 16:26
S82	33	(((low-noise or low adj noise) near5 power) near5 semiconductor).ti,ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 16:28
S83	0	(((low-noise or low adj noise) near5 power) near5 semiconductor).ti,ab. and thyristor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 16:28

S84	3	(((low-noise or low adj noise) near5 power) near5 semiconductor adj device).ti,ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 16:30
S85	25	(((low-noise or low adj noise) near5 power).ti,ab. and "257"/ $6.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 17:05
S86	2	(((low-noise or low adj noise) near5 power).ti,ab. and "257"/ $6.ccls. and (thyristor or igbt or insulated gate adj bipolar adj transistor or mct)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/02 15:26
S87	2	jp-02105578$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/01/27 17:06
S88	458	stop adj zone	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/01 16:36
S89	2	(stop adj zone) and (((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/01 16:36
S90	586	((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/05/01 20:30

S91	60	buffer adj (layer or film) and (((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/01 17:19
S92	29	(buffer adj (layer or film) and (((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.)) and (sulfur or s or selenium or se)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/01 17:20
S93	0	((buffer adj (layer or film) and (((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.)) and (sulfur or s or selenium or se)) and (buffer near12 (selenium or se or s or sulfur))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/01 17:21
S94	3	((buffer adj (layer or film) and (((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.)) and (sulfur or s or selenium or se)) and (buffer same (selenium or se or s or sulfur))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/01 17:25
S95	0	((buffer adj (layer or film) and (((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.)) and (sulfur or s or selenium or se)) and (buffer same (selenium or se or sulfur))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/01 17:23
S96	0	((buffer adj (layer or film) and (((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.)) and (sulfur or s or selenium or se)) and ((buffer near15 (dop$3 or impurit$3)) same ioniz$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/01 17:27
S97	0	((buffer adj (layer or film) and (((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.)) and (sulfur or s or selenium or se)) and ((buffer near15 (selenium or sulfur)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/01 17:28

| S98 | 77 | (US-4717940-$ or US-4760431-$ or US-RE32784-$ or US-4851889-$ or US-4914496-$ or US-4963972-$ or US-5065211-$ or US-5068704-$ or US-5381025-$ or US-5401985-$ or US-5429953-$ or US-5444271-$ or US-5444272-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5091766-$).did. or (US-5124772-$ or US-5202750-$ or US-5210432-$ or US-5245202-$ or US-5293054-$ or US-5304821-$ or US-5306930-$ or US-5336907-$ or US-5365477-$ or US-5371385-$ or US-5378903-$ or US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$).did. or (US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-4032958-$ or US-4053921-$ or US-4062032-$ or US-3337782-$ or US-3470036-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06061479-$ or JP-06151825-$ or JP-01270352-$ or JP-02296370-$ or JP-03070176-$ or JP-03116874-$ or JP-04240775-$ or JP-04317375-$ or JP-04357875-$).did. | US-PGPUB; USPAT; JPO | OR | OFF | 2002/05/02 11:40 |
| S99 | 2 | (((US-4717940-$ or US-4760431-$ or US-RE32784-$ or US-4851889-$ or US-4914496-$ or US-4963972-$ or US-5065211-$ or US-5068704-$ or US-5381025-$ or US-5401985-$ or US-5429953-$ or US-5444271-$ or US-5444272-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5091766-$).did. or (US-5124772-$ or US-5202750-$ or US-5210432-$ or US-5245202-$ or US-5293054-$ or US-5304821-$ or US-5306930-$ or US-5336907-$ or US-5365477-$ or US-5371385-$ or US-5378903-$ or US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$).did. or (US-6111278-$ or US- | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/05/01 20:34 |

		6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-4032958-$ or US-4053921-$ or US-4062032-$ or US-3337782-$ or US-3470036-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06061479-$ or JP-06151825-$ or JP-01270352-$ or JP-02296370-$ or JP-03070176-$ or JP-03116874-$ or JP-04240775-$ or JP-04317375-$ or JP-04357875-$).did.) and (block$3 or buffer or stop$4) adj (region or film or layer) and ionization				
S100	1	(((US-4717940-$ or US-4760431-$ or US-RE32784-$ or US-4851889-$ or US-4914496-$ or US-4963972-$ or US-5065211-$ or US-5068704-$ or US-5381025-$ or US-5401985-$ or US-5429953-$ or US-5444271-$ or US-5444272-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5091766-$).did. or (US-5124772-$ or US-5202750-$ or US-5210432-$ or US-5245202-$ or US-5293054-$ or US-5304821-$ or US-5306930-$ or US-5336907-$ or US-5365477-$ or US-5371385-$ or US-5378903-$ or US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$).did. or (US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-4032958-$ or US-4053921-$ or US-4062032-$ or US-3337782-$ or US-3470036-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06061479-$ or JP-06151825-$ or JP-01270352-$ or JP-02296370-$ or JP-03070176-$ or JP-03116874-$ or JP-04240775-$ or JP-04317375-$ or JP-04357875-$).did.) and (block$3 or buffer or stop$4) adj (region or film or layer) and (energy adj level or band adj2 gap)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/01 20:43

| S101 | 0 | (((US-4717940-$ or US-4760431-$ or US-RE32784-$ or US-4851889-$ or US-4914496-$ or US-4963972-$ or US-5065211-$ or US-5068704-$ or US-5381025-$ or US-5401985-$ or US-5429953-$ or US-5444271-$ or US-5444272-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5091766-$).did. or (US-5124772-$ or US-5202750-$ or US-5210432-$ or US-5245202-$ or US-5293054-$ or US-5304821-$ or US-5306930-$ or US-5336907-$ or US-5365477-$ or US-5371385-$ or US-5378903-$ or US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$).did. or (US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-4032958-$ or US-4053921-$ or US-4062032-$ or US-3337782-$ or US-3470036-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06061479-$ or JP-06151825-$ or JP-01270352-$ or JP-02296370-$ or JP-03070176-$ or JP-03116874-$ or JP-04240775-$ or JP-04317375-$ or JP-04357875-$).did.) and (block$3 or buffer or stop$4) adj (region or film or layer) near20 (indium or tellurium or selenium of sulfur or in or se) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/05/01 20:45 |
| S102 | 2 | (((US-4717940-$ or US-4760431-$ or US-RE32784-$ or US-4851889-$ or US-4914496-$ or US-4963972-$ or US-5065211-$ or US-5068704-$ or US-5381025-$ or US-5401985-$ or US-5429953-$ or US-5444271-$ or US-5444272-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5091766-$).did. or (US-5124772-$ or US-5202750-$ or US-5210432-$ or US-5245202-$ or US-5293054-$ or US-5304821-$ or US-5306930-$ or US-5336907-$ or US-5365477-$ or US-5371385-$ or US-5378903-$ or US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US- | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/05/01 20:49 |

		5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$).did. or (US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-4032958-$ or US-4053921-$ or US-4062032-$ or US-3337782-$ or US-3470036-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06061479-$ or JP-06151825-$ or JP-01270352-$ or JP-02296370-$ or JP-03070176-$ or JP-03116874-$ or JP-04240775-$ or JP-04317375-$ or JP-04357875-$).did.) and (block$3 or buffer or stop$4) adj (region or film or layer) and (indium or tellurium or selenium of sulfur or in or se)				
S103	2	(((US-4717940-$ or US-4760431-$ or US-RE32784-$ or US-4851889-$ or US-4914496-$ or US-4963972-$ or US-5065211-$ or US-5068704-$ or US-5381025-$ or US-5401985-$ or US-5429953-$ or US-5444271-$ or US-5444272-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5091766-$).did. or (US-5124772-$ or US-5202750-$ or US-5210432-$ or US-5245202-$ or US-5293054-$ or US-5304821-$ or US-5306930-$ or US-5336907-$ or US-5365477-$ or US-5371385-$ or US-5378903-$ or US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$).did. or (US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-4032958-$ or US-4053921-$ or US-4062032-$ or US-3337782-$ or US-3470036-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06061479-$ or JP-06151825-$ or JP-01270352-$ or JP-02296370-$ or JP-03070176-$ or JP-03116874-$ or JP-04240775-$ or JP-04317375-$ or JP-04357875-$).did.) and (block$3 or buffer or stop$4) adj (region or film or layer) and (indium or tellurium or selenium of sulfur or in or se or te)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/01 20:50

| S104 | 0 | (((US-4717940-$ or US-4760431-$ or US-RE32784-$ or US-4851889-$ or US-4914496-$ or US-4963972-$ or US-5065211-$ or US-5068704-$ or US-5381025-$ or US-5401985-$ or US-5429953-$ or US-5444271-$ or US-5444272-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5091766-$).did. or (US-5124772-$ or US-5202750-$ or US-5210432-$ or US-5245202-$ or US-5293054-$ or US-5304821-$ or US-5306930-$ or US-5336907-$ or US-5365477-$ or US-5371385-$ or US-5378903-$ or US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$).did. or (US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-4032958-$ or US-4053921-$ or US-4062032-$ or US-3337782-$ or US-3470036-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06061479-$ or JP-06151825-$ or JP-01270352-$ or JP-02296370-$ or JP-03070176-$ or JP-03116874-$ or JP-04240775-$ or JP-04317375-$ or JP-04357875-$).did.) and (block$3 or buffer or stop$4) adj (region or film or layer) and (band near2 gap) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/05/01 20:50 |
| S105 | 1 | (((US-4717940-$ or US-4760431-$ or US-RE32784-$ or US-4851889-$ or US-4914496-$ or US-4963972-$ or US-5065211-$ or US-5068704-$ or US-5381025-$ or US-5401985-$ or US-5429953-$ or US-5444271-$ or US-5444272-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5091766-$).did. or (US-5124772-$ or US-5202750-$ or US-5210432-$ or US-5245202-$ or US-5293054-$ or US-5304821-$ or US-5306930-$ or US-5336907-$ or US-5365477-$ or US-5371385-$ or US-5378903-$ or US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US- | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/05/01 20:51 |

		RE36818-$ or US-6107649-$).did. or (US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-4032958-$ or US-4053921-$ or US-4062032-$ or US-3337782-$ or US-3470036-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06061479-$ or JP-06151825-$ or JP-01270352-$ or JP-02296370-$ or JP-03070176-$ or JP-03116874-$ or JP-04240775-$ or JP-04317375-$ or JP-04357875-$).did.) and (block$3 or buffer or stop$4) adj (region or film or layer) and energy adj level				
S106	457	foreign adj atom	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/02 09:36
S107	58	foreign adj atom and "257"/$6.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/02 09:37
S108	3447	stop$4 adj (zone or region or layer or film) and "257"/$6.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/02 09:40
S109	2240	(stop or stopping) adj (zone or region or layer or film) and "257"/$6.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/02 09:41
S110	30	(stop or stopping) adj zone and "257"/$6.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/02 11:37

S111	8	(stop or stopping) adj zone and "257"/$6.ccls. and thyristor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/02 09:44
S112	77	(US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$ or US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-5444271-$ or US-5444272-$).did. or (US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5378903-$ or US-5371385-$ or US-5365477-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5401985-$ or US-5336907-$ or US-5381025-$ or US-5429953-$ or US-5304821-$ or US-5293054-$ or US-5245202-$ or US-5210432-$ or US-5202750-$ or US-5124772-$ or US-5091766-$ or US-5068704-$).did. or (US-5065211-$ or US-4963972-$ or US-4914496-$ or US-4851889-$ or US-RE32784-$ or US-4760431-$ or US-4717940-$ or US-4062032-$ or US-4053921-$ or US-4032958-$ or US-3470036-$ or US-3337782-$ or US-5306930-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06151825-$ or JP-06061479-$ or JP-04357875-$ or JP-04317375-$ or JP-04240775-$ or JP-03116874-$ or JP-03070176-$ or JP-02296370-$ or JP-01270352-$).did.	US-PGPUB; USPAT; JPO	OR	OFF	2002/05/02 11:39

| S113 | 77 | (US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$ or US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-5444271-$ or US-5444272-$).did. or (US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5378903-$ or US-5371385-$ or US-5365477-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5401985-$ or US-5336907-$ or US-5381025-$ or US-5429953-$ or US-5304821-$ or US-5293054-$ or US-5245202-$ or US-5210432-$ or US-5202750-$ or US-5124772-$ or US-5091766-$ or US-5068704-$).did. or (US-5065211-$ or US-4963972-$ or US-4914496-$ or US-4851889-$ or US-RE32784-$ or US-4760431-$ or US-4717940-$ or US-4062032-$ or US-4053921-$ or US-4032958-$ or US-3470036-$ or US-3337782-$ or US-5306930-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06151825-$ or JP-06061479-$ or JP-04357875-$ or JP-04317375-$ or JP-04240775-$ or JP-03116874-$ or JP-03070176-$ or JP-02296370-$ or JP-01270352-$).did. | US-PGPUB; USPAT; JPO | OR | OFF | 2002/05/02 11:39 |
| S114 | 18 | ((US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$ or US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-5444271-$ or US-5444272-$).did. or (US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5378903-$ or US-5371385-$ or US-5365477-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5401985-$ or US-5336907-$ or US-5381025-$ or US-5429953-$ or US-5304821-$ or US-5293054-$ or US-5245202-$ or US-5210432-$ or US-5202750-$ or US-5124772-$ or US-5091766-$ or US-5068704-$).did. or (US-5065211-$ or US-4963972-$ or US-4914496-$ or US-4851889-$ or US-RE32784-$ or US- | US-PGPUB; USPAT; JPO | OR | OFF | 2002/05/02 13:24 |

		4760431-$ or US-4717940-$ or US-4062032-$ or US-4053921-$ or US-4032958-$ or US-3470036-$ or US-3337782-$ or US-5306930-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06151825-$ or JP-06061479-$ or JP-04357875-$ or JP-04317375-$ or JP-04240775-$ or JP-03116874-$ or JP-03070176-$ or JP-02296370-$ or JP-01270352-$).did.) and ((dop$3 or impurit$3 or donor or acceptor) near12 (carbon or c or titanium or ti or se or selenium or cr or chromium or ta or tantalum or cs or cesium or ba or barium or sulfur or s or mangenese or mn or pt or platinum or au or gold or silver or ag))				
S115	3	("3953243").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/05/02 13:05
S116	0	(((US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$ or US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-5444271-$ or US-5444272-$).did. or (US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5378903-$ or US-5371385-$ or US-5365477-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5401985-$ or US-5336907-$ or US-5381025-$ or US-5429953-$ or US-5304821-$ or US-5293054-$ or US-5245202-$ or US-5210432-$ or US-5202750-$ or US-5124772-$ or US-5091766-$ or US-5068704-$).did. or (US-5065211-$ or US-4963972-$ or US-4914496-$ or US-4851889-$ or US-RE32784-$ or US-4760431-$ or US-4717940-$ or US-4062032-$ or US-4053921-$ or US-4032958-$ or US-3470036-$ or US-3337782-$ or US-5306930-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06151825-$ or JP-06061479-$ or JP-04357875-$ or JP-04317375-$ or JP-04240775-$ or JP-03116874-$ or JP-03070176-$ or JP-02296370-$ or JP-01270352-$).did.)	US-PGPUB; USPAT; JPO	OR	OFF	2002/05/02 13:26

		and (((barium or cesium) near12 (dop$3 or impurit$3)) near12 thyristor)				
S117	3	(((US-5661314-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5710445-$ or US-5719413-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$ or US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-5444271-$ or US-5444272-$).did. or (US-5543639-$ or US-5569941-$ or US-5610415-$ or US-5461242-$ or US-5477064-$ or US-5486709-$ or US-5498884-$ or US-5525816-$ or US-5528058-$ or US-5378903-$ or US-5371385-$ or US-5365477-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5401985-$ or US-5336907-$ or US-5381025-$ or US-5429953-$ or US-5304821-$ or US-5293054-$ or US-5245202-$ or US-5210432-$ or US-5202750-$ or US-5124772-$ or US-5091766-$ or US-5068704-$).did. or (US-5065211-$ or US-4963972-$ or US-4914496-$ or US-4851889-$ or US-RE32784-$ or US-4760431-$ or US-4717940-$ or US-4062032-$ or US-4053921-$ or US-4032958-$ or US-3470036-$ or US-3337782-$ or US-5306930-$).did. or (US-20010005024-$ or US-20020024056-$).did. or (JP-06151825-$ or JP-06061479-$ or JP-04357875-$ or JP-04317375-$ or JP-04240775-$ or JP-03116874-$ or JP-03070176-$ or JP-02296370-$ or JP-01270352-$).did.) and (silicon adj substrate near12 thyristor)	US-PGPUB; USPAT; JPO	OR	OFF	2002/05/02 14:32
S118	2	("6043112").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/05/02 14:33
S119	2	("6043112").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/05/02 15:27

S120	1421	emitter and igbt and power and switching	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/02 15:28
S121	40	emitter adj region and igbt.ti,ab. and power adj2 device and switching	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/02 15:29
S122	105	(US-5936267-$ or US-5923055-$ or US-5894149-$ or US-5844258-$ or US-5796124-$ or US-5793066-$ or US-6043112-$ or US-5682044-$ or US-5569941-$ or US-5539217-$ or US-5543639-$ or US-5528058-$ or US-5679966-$ or US-5684306-$ or US-5637888-$ or US-5587594-$ or US-5610415-$ or US-5336907-$ or US-5719413-$ or US-5981981-$ or US-RE34158-$ or US-4219829-$ or US-5407491-$ or US-5574297-$ or US-5659185-$ or US-5661314-$).did. or (US-5644150-$ or US-6313485-$ or US-6278140-$ or US-6271545-$ or US-6218217-$ or US-6198115-$ or US-6169299-$ or US-6111290-$ or US-6111278-$ or US-6107649-$ or US-RE36818-$ or US-6054728-$ or US-6020623-$ or US-5710445-$ or US-5705835-$ or US-RE32784-$ or US-4963972-$ or US-5429953-$ or US-5457329-$ or US-5401985-$ or US-5471075-$ or US-5464994-$ or US-5477064-$ or US-4760431-$ or US-5486709-$ or US-5498884-$ or US-5504351-$).did. or (US-5525816-$ or US-5444272-$ or US-5444271-$ or US-5461242-$ or US-5412228-$ or US-4062032-$ or US-4717940-$ or US-5381026-$ or US-5381025-$ or US-4053921-$ or US-5202750-$ or US-5124772-$ or US-5091766-$ or US-5359220-$ or US-5068704-$ or US-5378903-$ or US-5371385-$ or US-5365477-$ or US-3470036-$ or US-4032958-$ or US-5304821-$ or US-4851889-$ or US-5293054-$ or US-3337782-$ or US-5245202-$ or US-5210432-$ or US-5319222-$).did. or (US-5065211-$ or US-5319221-$ or US-4914496-$ or US-5306930-$ or US-5306929-$).did. or (US-20020024056-$ or US-20010005024-$).did. or (DE-3932490-$ or DE-3837748-$ or DE-3837747-$ or US-3953243-$ or US-5528058-$).did. or (JP-02296370-$ or JP-03070176-$ or JP-03116874-$ or JP-	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2002/11/21 16:42

		04240775-$ or JP-04317375-$ or JP-04357875-$ or JP-06151825-$ or JP-01270352-$ or JP-06061479-$).did. or (US-5710445-$ or EP-1017093-$ or US-4642669-$ or US-5079175-$ or DE-19909105-$ or DE-3932490-$).did.				
S123	617	((257/144) or (257/152) or (257/163) or (257/164) or (257/165) or (257/110)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/11/22 09:30
S124	4	(((257/144) or (257/152) or (257/163) or (257/164) or (257/165) or (257/110)).CCLS.) and (sulfur or selenium or s or se) near15 (doping or dopant or impurities or impurity or implant or implantation or band adj gap or band adj edge or energy adj level or ionization or ionisation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/08/10 20:45
S125	1	(((257/144) or (257/152) or (257/163) or (257/164) or (257/165) or (257/110)).CCLS.) and (sulfur or selenium or se) near15 (doping or dopant or impurities or impurity or implant or implantation or band adj gap or band adj edge or energy adj level or ionization or ionisation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/11/22 15:03
S126	3	("5602048").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/11/22 15:03
S127	0	("stopadjzonenear12block$3near2 (voltageorpotentialorelectricadjfield)").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/14 15:49
S128	2	stop adj zone near12 block$3 near2 (voltage or potential or electric adj field)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/04/14 16:16

S129	0	stop adj zone near12 active near12 (on-state or on adj state) near12 (off-state or off adj state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/04/14 16:18
S130	0	stop adj zone near12 active near12 (on-state or on adj state or forward) near12 (off-state or off adj state or reverse)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/04/14 16:19
S131	0	stop adj zone near12 (on-state or on adj state or forward) near12 (off-state or off adj state or reverse)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/04/14 16:20
S132	0	stop$4 adj zone near12 (on-state or on adj state or forward) near12 (off-state or off adj state or reverse)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/04/14 16:22
S133	0	stop$4 adj zone near12 (on-state or on adj state or forward or conduction adj band) near12 (off-state or off adj state or reverse or valence adj band)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/04/14 16:48
S134	2	stop$4 adj zone near12 (gold or au or platinum or pt)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/04/14 16:49
S135	10	stop$4 adj zone near12 (impurities or gold or au or platinum or pt)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/04/14 16:51

S136	9	stop$4 adj zone near12 (impurities or gold or au or platinum or pt) and (dopant or doping or impurity or impurities)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/04/14 17:04
S137	33	(field adj stop$4 adj zone or buffer) near2 (region or layer) near6 (gold or au or platinum or pt) and silicon and reverse	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/04/14 17:12
S138	7	(field adj stop$4 adj zone or buffer) near2 (region or layer) near6 (gold or au or platinum or pt) and silicon and reverse and forward	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/04/14 17:13
S139	106	(US-4053921-$ or US-4032958-$ or US-3470036-$ or US-5844258-$ or US-5796124-$ or US-5793066-$ or US-6043112-$ or US-5682044-$ or US-4062032-$ or US-3337782-$ or US-4219829-$ or US-5574297-$ or US-6313485-$ or US-6278140-$ or US-6271545-$ or US-6218217-$ or US-6198115-$ or US-6169299-$ or US-6111290-$ or US-6111278-$ or US-6107649-$ or US-RE36818-$ or US-6054728-$ or US-6020623-$ or US-5936267-$ or US-5923055-$).did. or (US-5894149-$ or US-5124772-$ or US-5202750-$ or US-5210432-$ or US-5245202-$ or US-5304821-$ or US-5306929-$ or US-5378903-$ or US-5381026-$ or US-5381025-$ or US-5401985-$ or US-5412228-$ or US-5444272-$ or US-5293054-$ or US-5306930-$ or US-5407491-$ or US-5319222-$ or US-5319221-$ or US-5336907-$ or US-5359220-$ or US-5365477-$ or US-5371385-$ or US-4914496-$ or US-4963972-$ or US-5068704-$ or US-5065211-$ or US-5091766-$).did. or (US-5679966-$ or US-5710445-$ or US-5525816-$ or US-5569941-$ or US-5610415-$ or US-5587594-$ or US-5637888-$ or US-5444271-$ or US-5429953-$ or US-5461242-$ or US-5457329-$ or US-5464994-$ or US-5471075-$ or US-5539217-$ or US-5543639-$ or US-5528058-$ or US-5644150-$ or US-5719413-$ or US-4717940-$ or US-5661314-$ or US-5659185-$ or US-5684306-$ or US-RE34158-$ or US-RE32784-$ or US-4760431-$ or US-5477064-$ or US-5486709-$).did. or (US-5504351-$ or US-	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/04/14 18:27

		5705835-$ or US-5981981-$ or US-4851889-$ or US-5498884-$).did. or (US-20020024056-$ or US-20010005024-$).did. or (DE-3932490-$ or DE-3837748-$ or DE-3837747-$ or US-3953243-$ or US-5528058-$).did. or (JP-06151825-$ or JP-06061479-$ or JP-04240775-$ or JP-04357875-$ or JP-04317375-$ or JP-03116874-$ or JP-02296370-$ or JP-03070176-$ or JP-01270352-$).did. or (US-5710445-$ or DE-3932490-$ or EP-1017093-$ or US-4642669-$ or EP-144876-$ or EP-1097480-$ or US-5079175-$ or DE-19909105-$).did.				
S140	0	(((US-4053921-$ or US-4032958-$ or US-3470036-$ or US-5844258-$ or US-5796124-$ or US-5793066-$ or US-6043112-$ or US-5682044-$ or US-4062032-$ or US-3337782-$ or US-4219829-$ or US-5574297-$ or US-6313485-$ or US-6278140-$ or US-6271545-$ or US-6218217-$ or US-6198115-$ or US-6169299-$ or US-6111290-$ or US-6111278-$ or US-6107649-$ or US-RE36818-$ or US-6054728-$ or US-6020623-$ or US-5936267-$ or US-5923055-$).did. or (US-5894149-$ or US-5124772-$ or US-5202750-$ or US-5210432-$ or US-5245202-$ or US-5304821-$ or US-5306929-$ or US-5378903-$ or US-5381026-$ or US-5381025-$ or US-5401985-$ or US-5412228-$ or US-5444272-$ or US-5293054-$ or US-5306930-$ or US-5407491-$ or US-5319222-$ or US-5319221-$ or US-5336907-$ or US-5359220-$ or US-5365477-$ or US-5371385-$ or US-4914496-$ or US-4963972-$ or US-5068704-$ or US-5065211-$ or US-5091766-$).did. or (US-5679966-$ or US-5710445-$ or US-5525816-$ or US-5569941-$ or US-5610415-$ or US-5587594-$ or US-5637888-$ or US-5444271-$ or US-5429953-$ or US-5461242-$ or US-5457329-$ or US-5464994-$ or US-5471075-$ or US-5539217-$ or US-5543639-$ or US-5528058-$ or US-5644150-$ or US-5719413-$ or US-4717940-$ or US-5661314-$ or US-5659185-$ or US-5684306-$ or US-RE34158-$ or US-RE32784-$ or US-4760431-$ or US-5477064-$ or US-5486709-$).did. or (US-5504351-$ or US-5705835-$ or US-5981981-$ or US-4851889-$ or US-5498884-$).did. or (US-20020024056-$ or US-20010005024-$).did. or (DE-3932490-$ or DE-3837748-$ or DE-3837747-$ or US-3953243-$ or US-5528058-$).did. or (JP-06151825-$ or JP-06061479-$ or JP-04240775-$ or JP-04357875-$ or JP-04317375-$ or JP-03116874-$ or JP-02296370-$ or JP-03070176-$ or JP-01270352-$).did. or (US-5710445-$ or DE-	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/04/14 18:27

		3932490-$ or EP-1017093-$ or US-4642669-$ or EP-144876-$ or EP-1097480-$ or US-5079175-$ or DE-19909105-$).did.) and stephanie.in.				
S141	1189	stephanie.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/04/14 18:27
S142	61	stephanie.in. and semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/04/14 18:28
S143	1	stephanie.in. and semiconductor and sulfur	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/04/14 18:28
S144	2	ep-760528$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/04/14 19:28
S145	0	de-19832310$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/04/14 19:28
S146	0	de-019832310$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/04/14 19:28

S147	219	stephani.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/04/14 19:29
S148	109	stephani.in.	DERWENT	OR	ON	2003/04/14 19:29
S149	0	stephani.in. and dietrich.in.	DERWENT	OR	ON	2003/04/14 19:31
S150	3	buchwald.in. and melvin.in.	US-PGPUB; USPAT; DERWENT	OR	ON	2003/04/14 19:30
S151	53	stephani-d.in.	DERWENT	OR	ON	2003/04/14 19:35
S152	362	bauer-j.in.	DERWENT	OR	ON	2003/04/14 19:35
S153	2	ep-621640$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/07 18:28
S154	4	"761240".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/07 18:32
S155	1	"761240".ap. and stop adj zone and emitter adj region	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/07 18:39
S156	2	ep-760528$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/07 18:39

S157	2	ep-760528$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/08 11:34
S158	21	emitter near12 (stop adj zone junction adj termination)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/08 11:41
S159	6	emitter near12 (stop adj zone junction adj termination) and (beryllium be zinc zn nickel ni cobalt co magnesium mg tin sn indium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/08 12:07
S160	114	(US-5293054-$ or US-5245202-$ or US-5210432-$ or US-5371385-$ or US-5981981-$ or US-RE34158-$ or US-4219829-$ or US-5407491-$ or US-5574297-$ or US-6313485-$ or US-6278140-$ or US-6271545-$ or US-6218217-$ or US-6198115-$ or US-6169299-$ or US-6111290-$ or US-6111278-$ or US-4851889-$ or US-RE32784-$ or US-4760431-$ or US-4717940-$ or US-5068704-$ or US-5065211-$ or US-4963972-$ or US-4914496-$ or US-5202750-$).did. or (US-5124772-$ or US-5091766-$ or US-5306930-$ or US-5306929-$ or US-5304821-$ or US-6107649-$ or US-RE36818-$ or US-6054728-$ or US-6020623-$ or US-5936267-$ or US-5923055-$ or US-5894149-$ or US-5844258-$ or US-5796124-$ or US-5793066-$ or US-6043112-$ or US-5682044-$ or US-5464994-$ or US-5381025-$ or US-4062032-$ or US-4053921-$ or US-4032958-$ or US-3470036-$ or US-5444271-$ or US-5429953-$ or US-5381026-$ or US-5336907-$).did. or (US-5461242-$ or US-5401985-$ or US-5365477-$ or US-5378903-$ or US-3337782-$ or US-5319222-$ or US-5319221-$ or US-5359220-$ or US-5457329-$ or US-5444272-$ or US-5412228-$ or US-5486709-$ or US-5498884-$ or US-5504351-$ or US-5525816-$ or US-5528058-$ or US-5539217-$ or US-5543639-$ or US-5659185-$ or US-5644150-$ or US-5637888-$ or US-5610415-$ or US-5587594-$ or US-5569941-$ or US-5719413-$ or US-5710445-$ or US-5705835-$).did. or (US-5684306-$ or US-	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/11/08 11:52

5679966-$ or US-5661314-$ or US-5477064-$ or US-5471075-$).did. or (US-20030197247-$ or US-20030122151-$ or US-20010005024-$ or US-20030094857-$ or US-20030006497-$ or US-20020024056-$).did. or (EP-760528-$ or EP-621640-$ or US-5528058-$ or DE-3932490-$ or DE-3837748-$ or DE-3837747-$ or US-3953243-$).did. or (JP-04317375-$ or JP-04240775-$ or JP-03116874-$ or JP-03070176-$ or JP-02296370-$ or JP-01270352-$ or JP-06151825-$ or JP-06061479-$ or JP-04357875-$).did. or (EP-144876-$ or EP-1097480-$ or DE-19531369-$ or EP-621640-$ or EP-1017093-$ or US-4642669-$ or DE-19909105-$ or US-5079175-$ or US-5710445-$ or DE-3932490-$).did.

S161	16	power adj semiconductor.ti,ab,clm. and stop adj (layer zone) and emitter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/11/08 11:53
S162	51	power adj semiconductor.ti,ab,clm. and stop adj (layer zone)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/11/08 12:07
S163	20	power adj semiconductor.ti,ab,clm. and stop adj (layer zone) and (beryllium be zinc zn nickel ni cobalt co magnesium mg tin sn indium)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2003/11/08 12:13
S164	1562	((257/110) or (257/133) or (257/138) or (257/139) or (257/144) or (257/147) or (257/152) or (257/163) or (257/164) or (257/165) or (257/341) or (257/342)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/11/08 12:15
S165	10	(((257/110) or (257/133) or (257/138) or (257/139) or (257/144) or (257/147) or (257/152) or (257/163) or (257/164) or (257/165) or (257/341) or (257/342)).CCLS.) and stop adj (layer zone) and (be beryllium cobalt magnesium mg zinc zn nickel ni sn tin indium sulfur selenium titanium ti)	US-PGPUB; USPAT	OR	OFF	2003/11/08 12:22
S166	486	stop adj (layer zone) near15 (be beryllium cobalt magnesium mg zinc zn nickel ni sn tin indium sulfur selenium titanium ti)	US-PGPUB; USPAT	OR	OFF	2003/11/08 12:22
S167	436	stop adj (layer zone) near6 (be beryllium cobalt magnesium mg zinc zn nickel ni sn tin indium sulfur selenium titanium ti)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/08 12:23

S168	54	stop adj (layer zone) near6 (be beryllium cobalt magnesium mg zinc zn nickel ni sn tin indium sulfur selenium titanium ti) and switch$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/08 13:47
S169	0	WO-0004598$-$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/08 13:47
S170	1	WO-200004598$-$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/08 16:38
S171	2	de-3917769$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/08 16:55
S172	1	("6043112").PN.	USPAT; USOCR	OR	OFF	2003/11/08 17:17
S173	551	emitter near3 drain and collector near3 source	USPAT	OR	OFF	2003/11/08 17:18
S174	460	emitter near3 drain and collector near3 source and bipolar	USPAT	OR	OFF	2003/11/08 17:18
S175	268	emitter near3 drain and collector near3 source and bipolar and (switch switching)	USPAT	OR	OFF	2003/11/08 17:19
S176	254	emitter near3 drain near6 collector near3 source and bipolar and (switch switching)	USPAT	OR	OFF	2003/11/08 17:19

| S177 | 116 | (US-5644150-$ or US-5637888-$ or US-5587594-$ or US-5610415-$ or US-5569941-$ or US-5543639-$ or US-5528058-$ or US-5539217-$ or US-5407491-$ or US-5525816-$ or US-5504351-$ or US-5498884-$ or US-5659185-$ or US-5661314-$ or US-5477064-$ or US-5471075-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5719413-$ or US-5710445-$ or US-4219829-$ or US-5486709-$ or US-5461242-$ or US-5464994-$ or US-5491351-$).did. or (US-6441408-$ or US-5371385-$ or US-5359220-$ or US-5365477-$ or US-3337782-$ or US-5796124-$ or US-5793066-$ or US-6043112-$ or US-5682044-$ or US-5457329-$ or US-5444272-$ or US-5444271-$ or US-5429953-$ or US-5412228-$ or US-5381026-$ or US-5401985-$ or US-5378903-$ or US-5381025-$ or US-5306929-$ or US-5293054-$ or US-5245202-$ or US-5306930-$ or US-5981981-$ or US-RE34158-$ or US-5304821-$ or US-5336907-$ or US-5319222-$).did. or (US-5319221-$ or US-5202750-$ or US-5210432-$ or US-5091766-$ or US-5124772-$ or US-5065211-$ or US-5068704-$ or US-4963972-$ or US-4914496-$ or US-4851889-$ or US-RE32784-$ or US-4760431-$ or US-4717940-$ or US-4053921-$ or US-4062032-$ or US-4032958-$ or US-5574297-$ or US-3470036-$ or US-6313485-$ or US-6278140-$ or US-6271545-$ or US-6218217-$ or US-6198115-$ or US-6169299-$ or US-6111290-$ or US-6111278-$ or US-6107649-$).did. or (US-RE36818-$ or US-6054728-$ or US-6020623-$ or US-5936267-$ or US-5923055-$ or US-5894149-$ or US-5844258-$).did. or (US-20030122151-$ or US-20030197247-$ or US-20030006497-$ or US-20030094857-$ or US-20020024056-$ or US-20010005024-$).did. or (EP-760528-$ or EP-621640-$ or DE-3932490-$ or DE-3837748-$ or DE-3837747-$ or US-3953243-$ or US-5528058-$).did. or (JP-01270352-$ or JP-02296370-$ or JP-06061479-$ or JP-04317375-$ or JP-04240775-$ or JP-03116874-$ or JP-03070176-$ or JP-06151825-$ or JP-04357875-$).did. or (US-4642669-$ or EP-1017093-$ or US-5079175-$ or DE-19909105-$ or EP-144876-$ or EP-1097480-$ or DE-19531369-$ or EP-621640-$ or US-5710445-$ or DE-3932490-$).did. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/08/09 09:51 |

| S178 | 2 | ((US-5644150-$ or US-5637888-$ or US-5587594-$ or US-5610415-$ or US-5569941-$ or US-5543639-$ or US-5528058-$ or US-5539217-$ or US-5407491-$ or US-5525816-$ or US-5504351-$ or US-5498884-$ or US-5659185-$ or US-5661314-$ or US-5477064-$ or US-5471075-$ or US-5679966-$ or US-5684306-$ or US-5705835-$ or US-5719413-$ or US-5710445-$ or US-4219829-$ or US-5486709-$ or US-5461242-$ or US-5464994-$ or US-5491351-$).did. or (US-6441408-$ or US-5371385-$ or US-5359220-$ or US-5365477-$ or US-3337782-$ or US-5796124-$ or US-5793066-$ or US-6043112-$ or US-5682044-$ or US-5457329-$ or US-5444272-$ or US-5444271-$ or US-5429953-$ or US-5412228-$ or US-5381026-$ or US-5401985-$ or US-5378903-$ or US-5381025-$ or US-5306929-$ or US-5293054-$ or US-5245202-$ or US-5306930-$ or US-5981981-$ or US-RE34158-$ or US-5304821-$ or US-5336907-$ or US-5319222-$).did. or (US-5319221-$ or US-5202750-$ or US-5210432-$ or US-5091766-$ or US-5124772-$ or US-5065211-$ or US-5068704-$ or US-4963972-$ or US-4914496-$ or US-4851889-$ or US-RE32784-$ or US-4760431-$ or US-4717940-$ or US-4053921-$ or US-4062032-$ or US-4032958-$ or US-5574297-$ or US-3470036-$ or US-6313485-$ or US-6278140-$ or US-6271545-$ or US-6218217-$ or US-6198115-$ or US-6169299-$ or US-6111290-$ or US-6111278-$ or US-6107649-$).did. or (US-RE36818-$ or US-6054728-$ or US-6020623-$ or US-5936267-$ or US-5923055-$ or US-5894149-$ or US-5844258-$).did. or (US-20030122151-$ or US-20030197247-$ or US-20030006497-$ or US-20030094857-$ or US-20020024056-$ or US-20010005024-$).did. or (EP-760528-$ or EP-621640-$ or DE-3932490-$ or DE-3837748-$ or DE-3837747-$ or US-3953243-$ or US-5528058-$).did. or (JP-01270352-$ or JP-02296370-$ or JP-06061479-$ or JP-04317375-$ or JP-04240775-$ or JP-03116874-$ or JP-03070176-$ or JP-06151825-$ or JP-04357875-$).did. or (US-4642669-$ or EP-1017093-$ or US-5079175-$ or DE-19909105-$ or EP-144876-$ or EP-1097480-$ or DE-19531369-$ or EP-621640-$ or US-5710445-$ or DE-3932490-$).did.) and stephani.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/08/09 10:18 |

S179	2	("5455911").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/09 10:18
S180	2	("6455911").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/09 10:27
S181	510	stop adj zone	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/09 10:27
S182	46	stop adj zone.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/09 11:13
S183	23	(acceptor donor) adj ioni?ation adj energ$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/09 11:36
S184	1	(acceptor donor) adj ioni?ation adj energ$3 near8 (oxygen selenium sulfur)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/09 11:48
S185	62	stop adj zone and GaP	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/09 11:56

S186	4	stop adj zone near15 (selenium sulfur oxygen)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/09 11:59
S187	24	stop adj zone and (selenium sulfur oxygen)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/09 12:06
S188	2	ep-621640$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/09 12:44
S189	2	(acceptor donor) adj ioni?ation adj energ$3 near4 (silicon "si")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/09 12:24
S190	1	stop adj zone near12 boron	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/09 12:25
S191	0	znse and (stop stopping) adj zone and (nitrogen "N") near15 zone	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/09 12:46
S192	5738	channel adj stop (stop stopping) adj zone	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/08/09 12:51
S193	5170	channel adj stop (stop stopping) adj zone and breakdown adj voltage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/08/09 12:51

S194	5168	channel adj stop (stop stopping) adj zone and breakdown adj voltage and "257"/$9.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/08/09 12:52
S195	620	(channel adj stop (stop stopping) adj zone) and breakdown adj voltage and "257"/$9.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/08/09 12:53
S196	0	(channel adj stop (stop stopping) adj zone) and breakdown adj voltage and "257"/$9.ccls. and znse	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/08/09 12:53
S197	0	"de-1983231.07"$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/09 14:40
S198	7	de-1983231$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/09 14:40
S199	4	"761240".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/09 14:41
S200	881	bauer.in. and stop	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/09 14:41
S201	3	bauer.in. and stop adj zone and brunner.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 07:52

S202	10	wo-20004598$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 07:54
S203	1	wo-200004598$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 08:09
S204	0	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and acceptor adj ioni$ation adj energ$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 08:11
S205	2	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and ioni$ation adj energ$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 08:18
S206	978	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and (boron Al Ga indium ni nickel oxygen)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 08:21
S207	700	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and (be beryllium cesium cs barium ba sulfur s mn manganese ag silver cd cadmium pt platinum si silicon zn zinc au gold co cobalt v vanadium ni nickel molybdenum mo hg mercury sr strontium germanium ge cu copper potassium k sn tin w tungsten pb lead o oxygen iron fe) near12 (doping doped impurity impurities)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 08:30

S208	679	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and (be beryllium cesium cs barium ba sulfur s mn manganese ag silver cd cadmium pt platinum si silicon zn zinc au gold co cobalt v vanadium ni nickel molybdenum mo hg mercury sr strontium germanium ge cu copper potassium k sn tin w tungsten pb lead o oxygen iron fe) near12 (doping doped impurity impurities) and silicon	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 08:30
S209	586	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and (be beryllium cesium cs barium ba sulfur s mn manganese ag silver cd cadmium pt platinum si silicon zn zinc au gold co cobalt v vanadium ni nickel molybdenum mo hg mercury sr strontium germanium ge cu copper potassium k sn tin w tungsten pb lead o oxygen iron fe) near12 (doping doped impurity impurities) and silicon and "257"/$9.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 08:33
S210	581	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and (be beryllium cesium cs barium ba sulfur s mn manganese ag silver cd cadmium pt platinum si silicon zn zinc au gold co cobalt vanadium ni nickel molybdenum mo hg mercury sr strontium germanium ge cu copper potassium sn tin tungsten pb lead oxygen iron fe) near12 (doping doped impurity impurities) and silicon and "257"/$9.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 08:34
S211	568	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and (be beryllium cesium cs barium ba sulfur mn manganese ag silver cd cadmium pt platinum si silicon zn zinc au gold co cobalt vanadium ni nickel molybdenum mo hg mercury sr strontium germanium ge cu copper potassium sn tin tungsten pb oxygen iron fe) near12 (doping doped impurity impurities) and silicon and "257"/$9.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 08:36

S212	110	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and (be beryllium cesium cs barium ba sulfur mn manganese ag silver cd cadmium pt platinum si silicon zn zinc au gold co cobalt vanadium ni nickel molybdenum mo hg mercury sr strontium germanium ge cu copper potassium sn tin tungsten pb oxygen iron fe) near12 (doping doped impurity impurities) and silicon and "257"/$9.ccls. and emitter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 09:23
S213	8	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and (be beryllium cesium cs barium ba sulfur mn manganese ag silver cd cadmium pt platinum si silicon zn zinc au gold co cobalt vanadium ni nickel molybdenum mo hg mercury sr strontium germanium ge cu copper potassium sn tin tungsten pb oxygen iron fe) near12 (doping doped impurity impurities) and silicon and "257"/$9.ccls. and emitter and power.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 08:41
S214	5	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and (be beryllium cesium cs barium ba sulfur mn manganese ag silver cd cadmium pt platinum si zn zinc au gold co cobalt vanadium ni nickel molybdenum mo hg mercury sr strontium germanium ge cu copper potassium sn tin tungsten pb oxygen iron fe) near12 (doping doped impurity impurities) and silicon and "257"/$9.ccls. and emitter and power.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 09:07
S215	5	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and (be beryllium cesium cs barium ba sulfur mn manganese ag silver cd cadmium pt platinum si zn zinc au gold co cobalt vanadium ni nickel molybdenum mo hg mercury se selenium sr strontium germanium ge cu copper potassium sn tin tungsten pb oxygen iron fe) near12 (doping doped impurity impurities) and silicon and "257"/$9.ccls. and emitter and power.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 09:10
S216	0	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and (ni nickel se selenium cu copper tellurium te oxygen iron fe) near12 (doping doped impurity impurities) and germanium and "257"/$9.ccls. and emitter and power.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 09:13

S217	1	((stop stopping) adj (layer zone region) channel adj stop) near12 (doped doping impurity impurities) and (ni nickel se selenium cu copper tellurium te oxygen iron fe cr chromium) near12 (doping doped impurity impurities) and germanium and "257"/$9.ccls. and emitter and power.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 09:17
S218	2	de-3917769$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 20:07
S219	110	((stop stopping) adj zone channel adj stop) near12 (doped doping impurity impurities) and (be beryllium cesium cs barium ba sulfur mn manganese ag silver cd cadmium pt platinum si silicon zn zinc au gold co cobalt vanadium ni nickel molybdenum mo hg mercury sr strontium germanium ge cu copper potassium sn tin tungsten te tellurium pb oxygen iron fe) near12 (doping doped impurity impurities) and silicon and "257"/$9.ccls. and emitter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 15:44
S220	68	(stop stopping) adj (layer zone) and thyristor.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 15:57
S221	68	(stop stopping) adj (layer zone) and thyristor.ti,ab,clm. and (stop stopping)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 18:02
S222	5469	GTO	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 18:04

S223	4	"761240".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 20:26
S224	0	de-19832310$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 20:27
S225	0	de-019832310$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 20:27
S226	0	("761240.ap.").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 20:46
S227	4	"761240".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 20:46

| S228 | 134 | (US-5796124-$ or US-5844258-$ or US-5319222-$ or US-5319221-$ or US-5668385-$ or US-5719413-$ or US-5705835-$ or US-5710445-$ or US-6043112-$ or US-5682044-$ or US-6441408-$ or US-6660569-$ or US-6703294-$ or US-6696705-$ or US-5793066-$ or US-5202750-$ or US-5245202-$ or US-5293054-$ or US-5306929-$ or US-5306930-$ or US-5981981-$ or US-RE34158-$ or US-5304821-$ or US-4032958-$ or US-4062032-$ or US-4053921-$).did. or (US-4717940-$ or US-4760431-$ or US-RE32784-$ or US-4851889-$ or US-4914496-$ or US-4963972-$ or US-5068704-$ or US-5065211-$ or US-5124772-$ or US-5091766-$ or US-5210432-$ or US-5574297-$ or US-6107649-$ or US-6111278-$ or US-6111290-$ or US-6169299-$ or US-6198115-$ or US-6218217-$ or US-6271545-$ or US-6278140-$ or US-6313485-$ or US-5894149-$ or US-5923055-$ or US-5936267-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$).did. or (US-5336907-$ or US-5461242-$ or US-5444272-$ or US-5457329-$ or US-5444271-$ or US-5429953-$ or US-5412228-$ or US-5381026-$ or US-5401985-$ or US-5378903-$ or US-5381025-$ or US-3470036-$ or US-3337782-$ or US-5365477-$ or US-5371385-$ or US-5359220-$ or US-5464994-$ or US-5543639-$ or US-5528058-$ or US-5539217-$ or US-5407491-$ or US-5525816-$ or US-5504351-$ or US-5498884-$ or US-5679966-$ or US-5684306-$ or US-5486709-$).did. or (US-5491351-$ or US-5477064-$ or US-5569941-$ or US-5471075-$ or US-5610415-$ or US-5659185-$ or US-5644150-$ or US-5637888-$ or US-4219829-$ or US-5661314-$ or US-5587594-$).did. or (US-20030122151-$ or US-20030197247-$ or US-20030006497-$ or US-20030094857-$ or US-20040084724-$ or US-20040137665-$ or US-20040080015-$ or US-20010005036-$ or US-20020024056-$ or US-20010005024-$).did. or (DE-3932490-$ or DE-3837748-$ or DE-3837747-$ or US-3953243-$ or EP-760528-$ or EP-621640-$ or DE-10214176-$ or DE-3917769-$ or US-5528058-$).did. or (JP-06151825-$ or JP-06061479-$ or JP-04357875-$ or JP-04317375-$ or JP-04240775-$ or JP-03116874-$ or JP-03070176-$ or JP-02296370-$ or JP-01270352-$).did. or (EP-1017093-$ or DE-3932490-$ or EP-144876-$ or EP-1097480-$ or DE-19531369-$ or EP-621640-$ or DE-10243758-$ or DE-10214176-$ or DE-10048165-$ or DE-19731495-$ or EP-347778-$ or WO- | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/08/10 20:53 |

		200203469-$ or EP-1017093-$ or DE-2734726-$ or DE-3917769-$ or US-5710445-$ or US-4642669-$ or US-5079175-$ or DE-19909105-$).did.				
S229	442	((257/107) or (257/155) or (257/156)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/10 20:53
S230	616	((257/107) or (257/109) or (257/110) or (257/155) or (257/156)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/11 09:52
S231	0	(((257/107) or (257/109) or (257/110) or (257/155) or (257/156)).CCLS.) and ioni$ation adj energ$3 near15 (stop stopping) adj (zone region layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 20:56
S232	1	(((257/107) or (257/109) or (257/110) or (257/155) or (257/156)).CCLS.) and (sulfur s selenium se oxygen tellurium te zn zinc mn manganese ioni$ation adj energ$3) near15 (stop stopping) adj (zone region layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 20:58
S233	0	("DOPANTNEAR4SULFURNEAR12SILICON").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/10 21:14
S234	95	sulfur near12 (impurities impurity ion adj implantation) and silicon adj substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 21:15
S235	60	sulfur near4 (impurities impurity ion adj implantation) and silicon adj substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 21:15
S236	774	((257/107) or (257/109) or (257/110) or (257/155) or (257/156) or (257/163) or (257/164)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/11 09:56
S237	799	((257/107) or (257/109) or (257/110) or (257/155) or (257/156) or (257/163) or (257/164) or (257/165)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/11 09:58
S238	972	((257/107) or (257/109) or (257/110) or (257/137) or (257/138) or (257/155) or (257/156) or (257/163) or (257/164) or (257/165)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/11 09:58

S239	44	(((257/107) or (257/109) or (257/110) or (257/137) or (257/138) or (257/155) or (257/156) or (257/163) or (257/164) or (257/165)).CCLS.) and (deep ioni?ation adj energ$3) near6 (dop$3 impurit$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/11 10:01
S240	7	"761241".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/11 10:27
S241	174	(US-5429953-$ or US-5412228-$ or US-5401985-$ or US-5381026-$ or US-5381025-$ or US-5378903-$ or US-5371385-$ or US-5365477-$ or US-5359220-$ or US-5336907-$ or US-5319222-$ or US-5319221-$ or US-5306930-$ or US-5306929-$ or US-5304821-$ or US-5293054-$ or US-5684306-$ or US-5679966-$ or US-5668385-$ or US-5661314-$ or US-5543639-$ or US-5719413-$ or US-5710445-$ or US-5705835-$ or US-5569941-$ or US-5587594-$).did. or (US-5610415-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5539217-$ or US-5528058-$ or US-5525816-$ or US-5504351-$ or US-5498884-$ or US-5491351-$ or US-5486709-$ or US-5477064-$ or US-5471075-$ or US-5464994-$ or US-5461242-$ or US-5457329-$ or US-5444272-$ or US-5444271-$ or US-3470036-$ or US-3337782-$ or US-5981981-$ or US-RE34158-$ or US-4219829-$ or US-5684323-$ or US-5407491-$ or US-5574297-$ or US-6313485-$).did. or (US-6278140-$ or US-6271545-$ or US-6218217-$ or US-6198115-$ or US-6169299-$ or US-6111290-$ or US-5936267-$ or US-6111278-$ or US-5793066-$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-5923055-$ or US-6020623-$ or US-6054728-$ or US-RE36818-$ or US-6107649-$ or US-5245202-$ or US-5210432-$ or US-5202750-$ or US-5124772-$ or US-5091766-$ or US-5068704-$ or US-5065211-$ or US-4963972-$ or US-4914496-$ or US-4851889-$).did. or (US-RE32784-$ or US-4760431-$ or US-4717940-$ or US-4062032-$ or US-4053921-$ or US-4032958-$ or US-6660569-$ or US-6441408-$ or US-5682044-$ or US-6043112-$ or US-5629535-$ or US-5757033-$ or US-6049108-$ or US-6104043-$ or US-6242766-$ or US-6268639-$ or US-6274892-$ or US-6380569-$ or US-6407412-	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/08/11 10:28

| | | $ or US-6420774-$ or US-6437383-$ or US-6501099-$ or US-6555848-$ or US-6703647-$ or US-6734462-$ or US-6756612-$ or US-6696705-$).did. or (US-6703294-$ or US-3577046-$ or US-3697827-$ or US-3739236-$ or US-3988771-$ or US-4040170-$ or US-4081818-$ or US-4089024-$ or US-4107731-$ or US-4520552-$ or US-4559551-$ or US-4825266-$ or US-4910573-$ or US-4969028-$ or US-5083185-$ or US-5144401-$ or US-5151766-$ or US-5204541-$ or US-5262336-$ or US-5291040-$ or US-5311042-$ or US-5483087-$ or US-5550392-$ or US-5591991-$).did. or (US-20010005024-$ or US-20020024056-$ or US-20010005036-$ or US-20030006497-$ or US-20030094857-$ or US-20030122151-$ or US-20030197247-$ or US-20040080015-$ or US-20040137665-$ or US-20040084724-$).did. or (US-5528058-$ or DE-10214176-$ or DE-3917769-$ or EP-621640-$ or EP-760528-$ or US-3953243-$ or DE-3837747-$ or DE-3837748-$ or DE-3932490-$).did. or (JP-06151825-$ or JP-06061479-$ or JP-04357875-$ or JP-04317375-$ or JP-04240775-$ or JP-03116874-$ or JP-03070176-$ or JP-02296370-$ or JP-01270352-$).did. or (US-5710445-$ or WO-200203469-$ or DE-10214176-$ or DE-10243758-$ or DE-3917769-$ or DE-10048165-$ or EP-621640-$ or DE-19531369-$ or EP-1097480-$ or EP-144876-$ or DE-3932490-$ or EP-1017093-$ or DE-2734726-$ or US-5079175-$ or DE-19909105-$ or EP-1017093-$ or US-4642669-$ or EP-347778-$ or DE-19731495-$).did. | | | | |
| S242 | 24 | (((US-5429953-$ or US-5412228-$ or US-5401985-$ or US-5381026-$ or US-5381025-$ or US-5378903-$ or US-5371385-$ or US-5365477-$ or US-5359220-$ or US-5336907-$ or US-5319222-$ or US-5319221-$ or US-5306930-$ or US-5306929-$ or US-5304821-$ or US-5293054-$ or US-5684306-$ or US-5679966-$ or US-5668385-$ or US-5661314-$ or US-5543639-$ or US-5719413-$ or US-5710445-$ or US-5705835-$ or US-5569941-$ or US-5587594-$).did. or (US-5610415-$ or US-5637888-$ or US-5644150-$ or US-5659185-$ or US-5539217-$ or US-5528058-$ or US-5525816-$ or US-5504351-$ or US-5498884-$ or US-5491351-$ or US-5486709-$ or US-5477064-$ or US-5471075-$ or US-5464994-$ or US-5461242-$ or US-5457329-$ or US-5444272-$ or US-5444271-$ or US-3470036-$ or US-3337782-$ or US-5981981-$ or US-RE34158-$ or US- | EPO; DERWENT | OR | OFF | 2004/08/11 10:29 |

4219829-$ or US-5684323-$ or US-5407491-$ or US-5574297-
$ or US-6313485-$).did. or (US-6278140-$ or US-6271545-$
or US-6218217-$ or US-6198115-$ or US-6169299-$ or US-
6111290-$ or US-5936267-$ or US-6111278-$ or US-5793066-
$ or US-5796124-$ or US-5844258-$ or US-5894149-$ or US-
5923055-$ or US-6020623-$ or US-6054728-$ or US-
RE36818-$ or US-6107649-$ or US-5245202-$ or US-
5210432-$ or US-5202750-$ or US-5124772-$ or US-5091766-
$ or US-5068704-$ or US-5065211-$ or US-4963972-$ or US-
4914496-$ or US-4851889-$).did. or (US-RE32784-$ or US-
4760431-$ or US-4717940-$ or US-4062032-$ or US-4053921-
$ or US-4032958-$ or US-6660569-$ or US-6441408-$ or US-
5682044-$ or US-6043112-$ or US-5629535-$ or US-5757033-
$ or US-6049108-$ or US-6104043-$ or US-6242766-$ or US-
6268639-$ or US-6274892-$ or US-6380569-$ or US-6407412-
$ or US-6420774-$ or US-6437383-$ or US-6501099-$ or US-
6555848-$ or US-6703647-$ or US-6734462-$ or US-6756612-
$ or US-6696705-$).did. or (US-6703294-$ or US-3577046-$
or US-3697827-$ or US-3739236-$ or US-3988771-$ or US-
4040170-$ or US-4081818-$ or US-4089024-$ or US-4107731-
$ or US-4520552-$ or US-4559551-$ or US-4825266-$ or US-
4910573-$ or US-4969028-$ or US-5083185-$ or US-5144401-
$ or US-5151766-$ or US-5204541-$ or US-5262336-$ or US-
5291040-$ or US-5311042-$ or US-5483087-$ or US-5550392-
$ or US-5591991-$).did. or (US-20010005024-$ or US-
20020024056-$ or US-20010005036-$ or US-20030006497-$
or US-20030094857-$ or US-20030122151-$ or US-
20030197247-$ or US-20040080015-$ or US-20040137665-$
or US-20040084724-$).did. or (US-5528058-$ or DE-
10214176-$ or DE-3917769-$ or EP-621640-$ or EP-760528-
$ or US-3953243-$ or DE-3837747-$ or DE-3837748-$ or DE-
3932490-$).did. or (JP-06151825-$ or JP-06061479-$ or JP-
04357875-$ or JP-04317375-$ or JP-04240775-$ or JP-
03116874-$ or JP-03070176-$ or JP-02296370-$ or JP-
01270352-$).did. or (US-5710445-$ or WO-200203469-$ or
DE-10214176-$ or DE-10243758-$ or DE-3917769-$ or DE-
10048165-$ or EP-621640-$ or DE-19531369-$ or EP-
1097480-$ or EP-144876-$ or DE-3932490-$ or EP-1017093-
$ or DE-2734726-$ or US-5079175-$ or DE-19909105-$ or EP-
1017093-$ or US-4642669-$ or EP-347778-$ or DE-19731495-

		$).did.)				
S273	2	"5668385".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 10:49
S274	2	de-3917769$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 09:33
S275	1380	((257/107) or (257/109) or (257/110) or (257/137) or (257/138) or (257/155) or (257/156) or (257/163) or (257/164)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/20 10:50
S276	0	S275 and stop adj zone near8 temperature near8 threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 10:51
S277	0	S275 and emitter near8 temperature near8 threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 10:51
S278	11	"5668385"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/03 19:18
S279	2	("5668385").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/03 19:20

S280	2	de-3917769$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/04 22:39
S281	2	("4910573").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/03 19:23
S282	1429	((257/107) or (257/109) or (257/110) or (257/137) or (257/138) or (257/155) or (257/156) or (257/163) or (257/164)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/04 22:41
S283	92	S282 and emitter and (power high-voltage high adj voltage) and (gto mct igbt) and (selenium se s sulfur)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/04 22:44
S284	4	S282 and emitter and (power high-voltage high adj voltage) and (gto mct igbt) and (selenium se) and sulfur	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/04 22:44
S285	6	"761240".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 17:31
S286	1	(US-20010005024-$).did.	US-PGPUB	OR	OFF	2006/07/18 17:31
S287	1	(US-20010005024-$).did.	US-PGPUB	OR	OFF	2006/07/18 17:32

S288	1	S287 and active	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/18 17:37
S289	27	stop adj zone same (se selenium sulfur s)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/18 17:37
S290	34	stop adj zone same (se selenium sulfur s)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 17:37
S291	9	stop adj zone same (se selenium sulfur s) and power near1 semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 17:39
S292	0	stop adj zone same (se selenium sulfur s) and power near1 semiconductor and @ad<"19980718"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 17:40
S293	0	stop adj zone same (se selenium sulfur s) and power near1 semiconductor and @ad<"19990706"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 17:42
S294	0	stop adj zone same (se selenium sulfur s band adj gap) and power near1 semiconductor and @ad<"19990706"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 17:42

S295	0	stop adj zone same (se selenium sulfur s band adj gap energy adj gap) and power near1 semiconductor and @ad< "19990706"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 17:42
S296	0	stop adj zone same (se selenium sulfur s band adj gap energy adj gap band adj energy) and power near1 semiconductor and @ad< "19990706"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 17:43
S297	68	stop adj zone.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 17:44
S298	4	stop adj zone.ti. and dopant	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 17:48
S299	1	wo-200004598$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 17:53
S300	2	de-3917769$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/19 11:23
S301	0	ep-0760528$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 18:02

S302	0	ep-07060528$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 18:02
S303	2	("5668385").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/19 07:52
S304	617	stop adj zone	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/19 08:17
S305	61	stop adj zone.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/19 08:17
S306	61	stop adj zone.ti. and stop adj zone	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/19 08:18
S307	18	stop adj zone.ti. and stop adj zone and (doping doped dopant)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/19 08:19
S308	14	stop adj zone.ti. and stop adj zone and (doping doped dopant) and (se s)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/19 08:19

S309	4	stop adj zone.ti. and stop adj zone and (doping doped dopant) and (selenium sulfur)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/19 08:22
S310	10	stop adj zone.ti,ab,clm. and stop adj zone and (doping doped dopant) and (selenium sulfur)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/19 08:26
S311	4	power near3 semiconductor.ti,ab,clm. and stop adj zone and (doping doped dopant) and (selenium sulfur)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/19 08:27
S312	2	power near3 (transistor thyristor IGBT).ti,ab,clm. and stop adj zone and (doping doped dopant) and (selenium sulfur)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/19 08:28
S313	4	power near3 (transistor thyristor IGBT).ti,ab,clm. and stop adj zone and (doping doped dopant)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/19 08:39
S314	70	semiconductor and stop adj zone and (doping doped dopant)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/19 08:39
S315	3	semiconductor and stop adj zone and (doping doped dopant) and valence adj band	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/19 08:41

S316	8	semiconductor and stop adj zone and (doping doped dopant) and selenium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/19 09:59
S318	1768	((257/107) or (257/109) or (257/110) or (257/147) or (257/148) or (257/137) or (257/138) or (257/155) or (257/156) or (257/163) or (257/164)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/19 11:24
S319	3	S318 and energy adj level near4 (band adj gap energy adj gap)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/19 11:26
S320	8	S318 and stop adj zone	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/19 11:26
S321	1	(US-20010005024-$).did.	US-PGPUB	OR	OFF	2006/10/03 16:35
S322	1	(US-20010005024-$).did. and active near10 (stop adj zone)	US-PGPUB	OR	ON	2006/10/03 16:35
S323	2	("5668385").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/10 17:17
S324	0	("de-39177769$-$.did.").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/10 17:18

| S325 | 227 | (US-20010005024-$ or US-20010005036-$ or US-20020024056-$ or US-20030006497-$ or US-20030197247-$ or US-20030122151-$ or US-20030094857-$ or US-20040084724-$ or US-20040080015-$ or US-20040137665-$). did. or (US-5065211-$ or US-4910573-$ or US-4581626-$ or US-5005065-$ or US-4954869-$ or US-5359220-$ or US-5306930-$ or US-5365477-$ or US-5371385-$ or US-5378903-$ or US-5381025-$ or US-5381026-$ or US-5401985-$ or US-5429953-$ or US-5412228-$ or US-5444271-$ or US-5319221-$ or US-5444272-$ or US-5457329-$ or US-5461242-$ or US-5464994-$ or US-5319222-$ or US-5471075-$ or US-5477064-$ or US-5486709-$ or US-5491351-$).did. or (US-5202750-$ or US-5245202-$ or US-5241194-$ or US-5504351-$ or US-5525816-$ or US-5528058-$ or US-5539217-$ or US-5543639-$ or US-5498884-$ or US-5291040-$ or US-5569941-$ or US-5068704-$ or US-5083185-$ or US-5610415-$ or US-5619047-$ or US-5659185-$ or US-5661314-$ or US-5587594-$ or US-5637888-$ or US-5644150-$ or US-5668385-$ or US-5679966-$ or US-5710445-$ or US-5719411-$ or US-4243999-$ or US-5684306-$ or US-5306929-$).did. or (US-5719413-$ or US-5311042-$ or US-5698867-$ or US-5705835-$ or US-4958211-$ or US-3337782-$ or US-4089024-$ or US-5296725-$ or US-4851889-$ or US-4032958-$ or US-3577046-$ or US-RE32784-$ or US-4963972-$ or US-5304821-$ or US-5017992-$ or US-5210432-$ or US-4914496-$ or US-4717940-$ or US-5981981-$ or US-5132767-$ or US-5315134-$ or US-5091766-$ or US-5751023-$ or US-5428230-$ or US-5144401-$ or US-4868636-$ or US-5111268-$).did. or (US-5345095-$ or US-5336907-$ or US-3470036-$ or US-4977438-$ or US-4951109-$ or US-6756612-$ or US-6703647-$ or US-6555848-$ or US-6472693-$ or US-6437383-$ or US-6420774-$ or US-6407412-$ or US-5144400-$ or US-6380569-$ or US-6274892-$ or US-6268639-$ or US-6242766-$ or US-6104043-$ or US-RE36770-$ or US-5962893-$ or US-5895974-$ or US-5608238-$ or US-5614737-$ or US-5397905-$ or US-4969028-$ or US-4825266-$ or US-4651191-$).did. or (US-4559551-$ or US-4520552-$ or US-4107731-$ or US-4081818-$ or US-4040170-$ or US-3988771-$ or US-3697827-$ or US-5757033-$ or US-5629535-$ or US-5550392-$ or US-5483087-$ or US-6867437-$ or US-6803627-$ or US-6620653-$ or US-5757034- | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/11/10 17:36 |

$ or US-5488236-$ or US-5412227-$ or US-5258641-$ or US-5198687-$ or US-3739236-$ or US-RE34158-$ or US-4219829-$ or US-5407491-$ or US-5684323-$ or US-5262336-$ or US-5574297-$ or US-5293054-$).did. or (US-4053921-$ or US-5317171-$ or US-5294816-$ or US-4062032-$ or US-6049108-$ or US-5204541-$ or US-5124772-$ or US-6278140-$ or US-6271545-$ or US-6218217-$ or US-6198115-$ or US-6169299-$ or US-6111290-$ or US-6111278-$ or US-RE36818-$ or US-6054728-$ or US-5998811-$ or US-5981984-$ or US-5981982-$ or US-5977569-$ or US-5936267-$ or US-4760431-$ or US-5925900-$ or US-5923055-$ or US-6313485-$ or US-6236069-$ or US-5894149-$).did. or (US-5844258-$ or US-5831291-$ or US-5793066-$ or US-6118141-$ or US-6107649-$ or US-6020623-$ or US-5796124-$ or US-5151766-$ or US-6043112-$ or US-6309920-$ or US-5682044-$ or US-6441408-$ or US-6660569-$ or US-6703294-$ or US-6696705-$ or US-6693310-$ or US-6734462-$ or US-6683328-$ or US-6501099-$ or US-6445012-$ or US-6423987-$ or US-6265735-$ or US-6091087-$ or US-5914503-$ or US-5591991-$).did. or (US-5528058-$ or DE-3837748-$ or DE-3932490-$ or DE-3837747-$ or US-3953243-$ or EP-621640-$ or EP-760528-$ or DE-3917769-$ or DE-10214176-$).did. or (JP-03070176-$ or JP-04240775-$ or JP-06151825-$ or JP-03116874-$ or JP-02296370-$ or JP-01270352-$ or JP-06061479-$ or JP-04357875-$ or JP-04317375-$).did. or (US-5710445-$ or EP-1017093-$ or DE-3932490-$ or EP-144876-$ or EP-1097480-$ or DE-19531369-$ or DE-10048165-$ or EP-621640-$ or DE-3917769-$ or DE-10243758-$ or DE-19731495-$ or EP-347778-$ or DE-10214176-$ or WO-200203469-$ or DE-2734726-$).did.

S326	2	S325 and gerstenmaier.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/10 18:01
S327	18	stop adj (region zone layer film) near4 (selenium sulfur ev mev)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/10 18:08
S328	62	stop adj (region zone layer film) near4 (selenium sulfur ev mev band adj gap energy adj gap)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/10 18:18

S329	8	hole adj injection adj stop adj (zone region layer film)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/10 18:20
S330	187	field adj stop adj (film layer zone region)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/10 18:21
S331	26	field adj stop adj (film layer zone region) and thyristor	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/10 18:21
S332	57	field adj stop adj (film layer zone region) and (emitter thyristor)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/10 18:21
S333	28	field adj stop adj (film layer zone region) near10 (emitter thyristor)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/10 18:22
S334	3	field adj stop adj (film layer zone region) near10 (emitter thyristor) near20 (selenium sulfur)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/10 18:26
S335	3	field adj stop adj (film layer zone region) near10 (emitter thyristor scr) near20 (selenium sulfur)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/10 18:27
S336	3	field adj stop adj (film layer zone region) near10 (emitter thyristor scr rectifier) near20 (selenium sulfur)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/10 18:27
S337	3	field adj stop adj (film layer zone region) near20 (emitter thyristor scr rectifier) near20 (selenium sulfur)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/10 18:28
S338	3	((hole adj injection) field) adj stop adj (film layer zone region) near20 (emitter thyristor scr rectifier) near20 (selenium sulfur)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/10 18:29
S339	3	((hole adj injection) field) near4 stop adj (film layer zone region) near20 (emitter thyristor scr rectifier) near20 (selenium sulfur)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/10 18:29

S340	3	((hole adj injection) field) with stop adj (film layer zone region) near20 (emitter thyristor scr rectifier) near20 (selenium sulfur)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/10 18:30
S341	3	((hole adj injection) field) near20 stop adj (film layer zone region) near20 (emitter thyristor scr rectifier) near20 (selenium sulfur)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/10 19:04
S342	9	fs-igbt	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/10 19:05
S343	232	(US-20010005024-$ or US-20010005036-$ or US-20020024056-$ or US-20030006497-$ or US-20030197247-$ or US-20030122151-$ or US-20030094857-$ or US-20040084724-$ or US-20040080015-$ or US-20040137665-$ or US-20060244060-$ or US-20020094597-$ or US-20060006459-$ or US-20050045945-$ or US-20050029589-$).did. or (US-5065211-$ or US-4910573-$ or US-4581626-$ or US-5005065-$ or US-4954869-$ or US-5359220-$ or US-5306930-$ or US-5365477-$ or US-5371385-$ or US-5378903-$ or US-5381025-$ or US-5381026-$ or US-5401985-$ or US-5429953-$ or US-5412228-$ or US-5444271-$ or US-5319221-$ or US-5444272-$ or US-5457329-$ or US-5461242-$ or US-5464994-$ or US-5319222-$ or US-5471075-$ or US-5477064-$ or US-5486709-$ or US-5491351-$).did. or (US-5202750-$ or US-5245202-$ or US-5241194-$ or US-5504351-$ or US-5525816-$ or US-5528058-$ or US-5539217-$ or US-5543639-$ or US-5498884-$ or US-5291040-$ or US-5569941-$ or US-5068704-$ or US-5083185-$ or US-5610415-$ or US-5619047-$ or US-5659185-$ or US-5661314-$ or US-5587594-$ or US-5637888-$ or US-5644150-$ or US-5668385-$ or US-5679966-$ or US-5710445-$ or US-5719411-$ or US-4243999-$ or US-5684306-$ or US-5306929-$).did. or (US-5719413-$ or US-5311042-$ or US-5698867-$ or US-5705835-$ or US-4958211-$ or US-3337782-$ or US-4089024-$ or US-5296725-$ or US-4851889-$ or US-4032958-$ or US-3577046-$ or US-RE32784-$ or US-4963972-$ or US-5304821-$ or US-5017992-$ or US-5210432-$ or US-4914496-$ or US-4717940-$ or US-5981981-$ or US-5132767-$ or US-5315134-$ or US-5091766-$ or US-5751023-$ or US-5428230-$ or US-5144401-$ or US-4868636-$ or US-5111268-$).did. or (US-5345095-$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/10 19:38

or US-5336907-$ or US-3470036-$ or US-4977438-$ or US-4951109-$ or US-6756612-$ or US-6703647-$ or US-6555848-$ or US-6472693-$ or US-6437383-$ or US-6420774-$ or US-6407412-$ or US-5144400-$ or US-6380569-$ or US-6274892-$ or US-6268639-$ or US-6242766-$ or US-6104043-$ or US-RE36770-$ or US-5962893-$ or US-5895974-$ or US-5608238-$ or US-5614737-$ or US-5397905-$ or US-4969028-$ or US-4825266-$ or US-4651191-$).did. or (US-4559551-$ or US-4520552-$ or US-4107731-$ or US-4081818-$ or US-4040170-$ or US-3988771-$ or US-3697827-$ or US-5757033-$ or US-5629535-$ or US-5550392-$ or US-5483087-$ or US-6867437-$ or US-6803627-$ or US-6620653-$ or US-5757034-$ or US-5488236-$ or US-5412227-$ or US-5258641-$ or US-5198687-$ or US-3739236-$ or US-RE34158-$ or US-4219829-$ or US-5407491-$ or US-5684323-$ or US-5262336-$ or US-5574297-$ or US-5293054-$).did. or (US-4053921-$ or US-5317171-$ or US-5294816-$ or US-4062032-$ or US-6049108-$ or US-5204541-$ or US-5124772-$ or US-6278140-$ or US-6271545-$ or US-6218217-$ or US-6198115-$ or US-6169299-$ or US-6111290-$ or US-6111278-$ or US-RE36818-$ or US-6054728-$ or US-5998811-$ or US-5981984-$ or US-5981982-$ or US-5977569-$ or US-5936267-$ or US-4760431-$ or US-5925900-$ or US-5923055-$ or US-6313485-$ or US-6236069-$ or US-5894149-$).did. or (US-5844258-$ or US-5831291-$ or US-5793066-$ or US-6118141-$ or US-6107649-$ or US-6020623-$ or US-5796124-$ or US-5151766-$ or US-6043112-$ or US-5682044-$ or US-6441408-$ or US-6660569-$ or US-6703294-$ or US-6696705-$ or US-6693310-$ or US-6734462-$ or US-6683328-$ or US-6501099-$ or US-6445012-$ or US-6423987-$ or US-6265735-$ or US-6091087-$ or US-5914503-$ or US-5591991-$ or US-7087981-$).did. or (US-5528058-$ or DE-3837748-$ or DE-3932490-$ or DE-3837747-$ or US-3953243-$ or EP-621640-$ or EP-760528-$ or DE-3917769-$ or DE-10214176-$).did. or (JP-03070176-$ or JP-04240775-$ or JP-06151825-$ or JP-03116874-$ or JP-02296370-$ or JP-01270352-$ or JP-06061479-$ or JP-04357875-$ or JP-04317375-$).did. or (US-5710445-$ or EP-1017093-$ or DE-3932490-$ or EP-144876-$ or EP-1097480-$ or DE-19531369-$ or DE-10048165-$ or EP-621640-$ or DE-3917769-$ or DE-10243758-$ or DE-

		19731495-$ or EP-347778-$ or DE-10214176-$ or WO-200203469-$ or DE-2734726-$).did.				
S344	24	S343 and (band adj gap selenium sulfur carbon barium manganese)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/10 21:49
S345	2	S343 and GTO adj thyristor near10 (silicon Si)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/10 21:51
S346	0	S343 and GTO adj thyristor near20 ((silicon Si) near4 substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/10 21:51
S347	17	S343 and GTO adj thyristor and ((silicon Si) near4 substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/10 23:06
S348	1500	thyristor near3 scr	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/10 23:07
S349	889	thyristor near3 scr	USPAT	OR	OFF	2006/11/10 23:07
S350	114	thyristor near3 scr and silicon.ti,ab,clm.	USPAT	OR	OFF	2006/11/10 23:08
S351	3	gto adj thyristor near3 scr and silicon.ti,ab,clm.	USPAT	OR	OFF	2006/11/10 23:08
S352	3	gto adj thyristor.ti. and silicon.ti,ab,clm.	USPAT	OR	OFF	2006/11/10 23:43
S353	0	wo-0004598$-$.did.	USPAT	OR	OFF	2006/11/10 23:43
S354	1	wo-200004598$-$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/10 23:43

S355	0	wo-0004598$-$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/10 23:44
S356	1	wo-200004598$-$.did.	EPO; DERWENT	OR	OFF	2007/04/21 15:38
S357	0	257/107	EPO; DERWENT	OR	OFF	2006/11/10 23:52
S358	0	257/109	EPO; DERWENT	OR	OFF	2006/11/10 23:52
S359	0	257/110	EPO; DERWENT	OR	OFF	2006/11/10 23:52
S360	0	257/137	EPO; DERWENT	OR	OFF	2006/11/10 23:52
S361	0	257/138	EPO; DERWENT	OR	OFF	2006/11/10 23:52
S362	0	57/147	EPO; DERWENT	OR	OFF	2006/11/10 23:52
S363	0	57/148	EPO; DERWENT	OR	OFF	2006/11/10 23:52
S364	1781	((257/107) or (257/109) or (257/110) or (257/137) or (257/138) or (257/147) or (257/148) or (257/155) or (257/156) or (257/163) or (257/164)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/10 23:53
S365	0	S364 and thyristor and amphoteric and asymmetric$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/11 00:07

S366	1	S364 and thyristor and amphoteric	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/11 00:07
S367	1	band adj gap.clm. and energy adj level.clm. and (semiconductor silicon).ti,ab,clm. and (mev ev).clm. and (field adj stop FS-IGBT stop adj zone).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/11 00:07
S368	1	band adj gap.clm. and energy adj level.clm. and (semiconductor silicon).ti,ab,clm. and (mev ev).clm. and (field adj stop FS-IGBT stop adj zone).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/11 00:07
S369	0	S364 and thyristor and amphoteric and asymmetric$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/11 00:07
S370	1	S364 and thyristor and amphoteric	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/11 00:07
S371	2	"5610415".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/21 13:12
S372	0	ep-0760528$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/21 13:12

S373	0	ep-0760528$-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 13:12
S374	233	(US-20060244060-$ or US-20020094597-$ or US-20060006459-$ or US-20050045945-$ or US-20050029589-$ or US-20010005024-$ or US-20010005036-$ or US-20020024056-$ or US-20030197247-$ or US-20030122151-$ or US-20030094857-$ or US-20030006497-$ or US-20040137665-$ or US-20040080015-$ or US-20040084724-$).did. or (US-4963972-$ or US-5365477-$ or US-5017992-$ or US-4717940-$ or US-4032958-$ or US-5412228-$ or US-5336907-$ or US-5684306-$ or US-5710445-$ or US-5587594-$ or US-5091766-$ or US-5486709-$ or US-5359220-$ or US-5005065-$ or US-5591991-$ or US-4760431-$ or US-RE34158-$ or US-4958211-$ or US-5684323-$ or US-RE32784-$ or US-5210432-$ or US-5719411-$ or US-5241194-$ or US-5705835-$ or US-5698867-$ or US-5245202-$).did. or (US-5679966-$ or US-5668385-$ or US-5644150-$ or US-5610415-$ or US-5569941-$ or US-5304821-$ or US-4062032-$ or US-5543639-$ or US-5539217-$ or US-5528058-$ or US-5525816-$ or US-5504351-$ or US-5498884-$ or US-5477064-$ or US-5444272-$ or US-5317171-$ or US-5444271-$ or US-5471075-$ or US-5464994-$ or US-5461242-$ or US-5429953-$ or US-5083185-$ or US-5661314-$ or US-5659185-$ or US-4914496-$ or US-5491351-$ or US-5457329-$).did. or (US-4053921-$ or US-3577046-$ or US-3739236-$ or US-5065211-$ or US-5306930-$ or US-5296725-$ or US-5381026-$ or US-5981981-$ or US-4868636-$ or US-4581626-$ or US-4089024-$ or US-5202750-$ or US-5637888-$ or US-5428230-$ or US-5319221-$ or US-4851889-$ or US-3470036-$ or US-5068704-$ or US-5291040-$ or US-5294816-$ or US-5293054-$ or US-4954869-$ or US-5719413-$ or US-5144400-$ or US-5132767-$ or US-5124772-$ or US-5144401-$).did. or (US-5111268-$ or US-5619047-$ or US-4977438-$ or US-4951109-$ or US-6756612-$ or US-6703647-$ or US-5381025-$ or US-6555848-$ or US-6472693-$ or US-6437383-$ or US-6420774-$ or US-6407412-$ or US-6380569-$ or US-6274892-$ or US-6268639-$ or US-6242766-$ or US-6104043-$ or US-	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/21 13:14

		RE36770-$ or US-5962893-$ or US-5378903-$ or US-5895974-$ or US-5608238-$ or US-5614737-$ or US-5397905-$ or US-4969028-$ or US-4825266-$ or US-4651191-$).did. or (US-4559551-$ or US-4520552-$ or US-4107731-$ or US-4081818-$ or US-4040170-$ or US-3988771-$ or US-3697827-$ or US-5757033-$ or US-5629535-$ or US-5550392-$ or US-5483087-$ or US-6867437-$ or US-6803627-$ or US-6620653-$ or US-5757034-$ or US-5488236-$ or US-5412227-$ or US-5258641-$ or US-5198687-$ or US-7087981-$ or US-5407491-$ or US-5371385-$ or US-5262336-$ or US-4910573-$ or US-5311042-$ or US-4219829-$ or US-5319222-$).did. or (US-5574297-$ or US-4243999-$ or US-6049108-$ or US-5306929-$ or US-5204541-$ or US-6313485-$ or US-6236069-$ or US-6218217-$ or US-6169299-$ or US-6118141-$ or US-6111290-$ or US-6111278-$ or US-6107649-$ or US-6198115-$ or US-RE36818-$ or US-6054728-$ or US-6020623-$ or US-5998811-$ or US-5981982-$ or US-5977569-$ or US-5925900-$ or US-5923055-$ or US-5894149-$ or US-6278140-$ or US-6271545-$ or US-5844258-$ or US-5831291-$).did. or (US-5796124-$ or US-5981984-$ or US-5936267-$ or US-5793066-$ or US-3337782-$ or US-5345095-$ or US-5151766-$ or US-6309920-$ or US-6043112-$ or US-5682044-$ or US-6441408-$ or US-5315134-$ or US-5401985-$ or US-6660569-$ or US-6703294-$ or US-6696705-$ or US-6693310-$ or US-6734462-$ or US-6683328-$ or US-6501099-$ or US-6445012-$ or US-6423987-$ or US-6265735-$ or US-6091087-$ or US-5914503-$ or US-5751023-$).did. or (US-5528058-$ or DE-3837748-$ or DE-3837747-$ or US-3953243-$ or DE-3932490-$ or EP-760528-$ or EP-621640-$ or DE-3917769-$ or DE-10214176-$).did. or (JP-06151825-$ or JP-04317375-$ or JP-01270352-$ or JP-02296370-$ or JP-03116874-$ or JP-03070176-$ or JP-04240775-$ or JP-06061479-$ or JP-04357875-$).did. or (US-5710445-$ or EP-1017093-$ or EP-144876-$ or DE-3932490-$ or EP-1097480-$ or EP-621640-$ or DE-10048165-$ or DE-19531369-$ or DE-3917769-$ or DE-10243758-$ or DE-10214176-$ or WO-200203469-$ or DE-19731495-$ or DE-2734726-$ or EP-347778-$).did.				
S375	22	S374	EPO; DERWENT	OR	OFF	2007/04/21 13:48

S376	0	de-19832310$-$.did.	EPO; DERWENT	OR	OFF	2007/04/21 13:49
S377	0	de-19832310$-$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/21 14:32
S378	0	de-9810332310$-$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/21 14:32
S379	0	de-1998810332310$-$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/21 15:35
S380	1811	((257/107) or (257/109) or (257/110) or (257/137) or (257/138) or (257/147) or (257/148) or (257/155) or (257/156) or (257/163) or (257/164)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/21 15:37
S381	0	S380 and (field adj stop stop adj zone) and emitter and valence adj band and conductance adj band	EPO; DERWENT	OR	ON	2007/04/21 15:40
S382	0	S380 and (field adj stop stop adj zone)	EPO; DERWENT	OR	ON	2007/04/21 15:39
S383	1	S380 and (field adj stop stop adj zone) and emitter and valence adj band and conductance adj band	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 15:40

S384	1	(siemens.as. (josef$1georg near1 bauer).in. (brunner_near1 heinrich).in. (schulze near1 hans$1joachim).in.) and (field adj stop stop adj zone) and emitter and valence adj band and conductance adj band	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 15:42
S385	17	supercritical adj ammonia.ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 19:48
S386	1	"5610415".pn.	USPAT	OR	ON	2007/11/13 15:21
S387	0	wo-200468499$-$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 15:21
S388	0	wo-0468499$-$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 15:21
S389	0	wo-04068499$-$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 15:21

S390	2	wo-2004068499$-$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 15:23
S391	0	("544924.ap.").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/13 15:24
S392	4	"544924".ap.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/13 15:24
S393	233	(US-20060244060-$ or US-20020094597-$ or US-20060006459-$ or US-20050045945-$ or US-20050029589-$ or US-20010005024-$ or US-20010005036-$ or US-20020024056-$ or US-20030197247-$ or US-20030006497-$ or US-20030122151-$ or US-20030094857-$ or US-20040137665-$ or US-20040080015-$ or US-20040084724-$).did. or (US-4958211-$ or US-5378903-$ or US-5306930-$ or US-5294816-$ or US-3470036-$ or US-RE34158-$ or US-5132767-$ or US-4581626-$ or US-5306929-$ or US-5381026-$ or US-5210432-$ or US-4243999-$ or US-5719413-$ or US-5719411-$ or US-5698867-$ or US-5311042-$ or US-5679966-$ or US-5668385-$ or US-5661314-$ or US-5659185-$ or US-5241194-$ or US-5644150-$ or US-5637888-$ or US-5619047-$ or US-5610415-$ or US-5587594-$).did. or (US-5543639-$ or US-5539217-$ or US-5528058-$ or US-5525816-$ or US-5486709-$ or US-4219829-$ or US-5705835-$ or US-5684306-$ or US-5477064-$ or US-5464994-$ or US-5461242-$ or US-5457329-$ or US-5444272-$ or US-5444271-$ or US-5412228-$ or US-5401985-$ or US-5569941-$ or US-5365477-$ or US-5471075-$ or US-5345095-$ or US-5429953-$ or US-5319221-$ or US-4963972-$ or US-3337782-$ or US-5491351-$ or US-	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/13 16:49

4717940-$ or US-4089024-$).did. or (US-5083185-$ or US-
5319222-$ or US-5336907-$ or US-5981981-$ or US-5304821-
$ or US-5684323-$ or US-5504351-$ or US-5144401-$ or US-
3739236-$ or US-5371385-$ or US-5065211-$ or US-5091766-
$ or US-RE32784-$ or US-5017992-$ or US-5005065-$ or US-
5407491-$ or US-5111268-$ or US-5751023-$ or US-4977438-
$ or US-4951109-$ or US-4851889-$ or US-5245202-$ or US-
5068704-$ or US-4032958-$ or US-6756612-$ or US-6703647-
$ or US-6555848-$).did. or (US-6472693-$ or US-6437383-$
or US-6420774-$ or US-6407412-$ or US-6380569-$ or US-
6274892-$ or US-6268639-$ or US-6242766-$ or US-6104043-
$ or US-RE36770-$ or US-5962893-$ or US-5895974-$ or US-
5608238-$ or US-5614737-$ or US-5397905-$ or US-4969028-
$ or US-4825266-$ or US-4651191-$ or US-4559551-$ or US-
4520552-$ or US-4107731-$ or US-4081818-$ or US-4040170-
$ or US-3988771-$ or US-3697827-$ or US-5757033-$ or US-
5629535-$).did. or (US-5550392-$ or US-5483087-$ or US-
6867437-$ or US-6803627-$ or US-6620653-$ or US-5757034-
$ or US-5488236-$ or US-5412227-$ or US-5258641-$ or US-
5198687-$ or US-7087981-$ or US-4954869-$ or US-5262336-
$ or US-3577046-$ or US-4868636-$ or US-5124772-$ or US-
4053921-$ or US-5359220-$ or US-4760431-$ or US-6049108-
$ or US-5574297-$ or US-4914496-$ or US-5204541-$ or US-
5144400-$ or US-6313485-$ or US-6278140-$ or US-6271545-
$).did. or (US-6236069-$ or US-6218217-$ or US-6198115-$
or US-6118141-$ or US-6111290-$ or US-6111278-$ or US-
6107649-$ or US-RE36818-$ or US-6020623-$ or US-
5998811-$ or US-5981982-$ or US-6169299-$ or US-5936267-
$ or US-5894149-$ or US-5844258-$ or US-5831291-$ or US-
5796124-$ or US-5793066-$ or US-5925900-$ or US-6054728-
$ or US-5981984-$ or US-5977569-$ or US-5923055-$ or US-
5381025-$ or US-5317171-$ or US-5293054-$ or US-4062032-
$).did. or (US-5498884-$ or US-5151766-$ or US-6043112-$
or US-6309920-$ or US-5710445-$ or US-4910573-$ or US-
5291040-$ or US-5315134-$ or US-5296725-$ or US-5202750-
$ or US-5682044-$ or US-6441408-$ or US-6660569-$ or US-
6703294-$ or US-6696705-$ or US-6091087-$ or US-5914503-
$ or US-5591991-$ or US-5428230-$ or US-6693310-$ or US-
6734462-$ or US-6683328-$ or US-6501099-$ or US-6445012-
$ or US-6423987-$ or US-6265735-$).did. or (US-5528058-$

		or DE-3932490-$ or DE-3837748-$ or DE-3837747-$ or US-3953243-$ or EP-760528-$ or EP-621640-$ or DE-3917769-$ or DE-10214176-$).did. or (JP-04357875-$ or JP-06151825-$ or JP-04317375-$ or JP-04240775-$ or JP-06061479-$ or JP-03070176-$ or JP-02296370-$ or JP-03116874-$ or JP-01270352-$).did. or (US-5710445-$ or EP-1017093-$ or DE-3932490-$ or EP-144876-$ or EP-1097480-$ or DE-19531369-$ or DE-10048165-$ or EP-621640-$ or DE-3917769-$ or DE-10243758-$ or DE-10214176-$ or WO-200203469-$ or EP-347778-$ or DE-2734726-$ or DE-19731495-$).did.				
S394	16	S393 and thyristor and (doping near2 profile)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/13 16:51
S395	6	S393 and thyristor and (doping near2 profile) and (stop adj zone blocking adj (zone layer))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/13 17:49
S396	2024	((257/107) or (257/109) or (257/110) or (257/137) or (257/138) or (257/147) or (257/148) or (257/155) or (257/156) or (257/163) or (257/164)).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/13 17:50
S397	1	S396 and emitter and (blocking stop) and profile and (selenium sulfur) and ((on-state "on" adj state) ("off" adj state off-state)) and valence and conduction and energy near3 (level band)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/13 17:53
S398	1	S396 and emitter and (blocking stop) and profile and (selenium sulfur) and ((on-state "on" adj state) ("off" adj state off-state)) and valence and conduction and energy near3 (level band)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/13 17:53

S399	3	((schulze near2 hans-joachim).in. (brunner near2 heinrich).in. (bauer near3 josef-georg).in. (siemens).as.) and emitter and (blocking stop) and profile and (selenium sulfur) and ((on-state "on" adj state) ("off" adj state off-state)) and valence and conduction and energy near3 (level band)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 17:58
S400	1	("6441408").PN.	USPAT; USOCR	OR	OFF	2007/11/13 17:57
S401	0	((schulze near2 hans-joachim).in. (brunner near2 heinrich).in. (bauer near3 josef-georg).in. (siemens).as.) and emitter.clm. and (blocking stop).clm. and profile.clm. and (selenium sulfur).clm. and ((on-state "on" adj state) ("off" adj state off-state)) and valence.clm. and conduction.clm. and energy near3 (level band).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 17:59

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